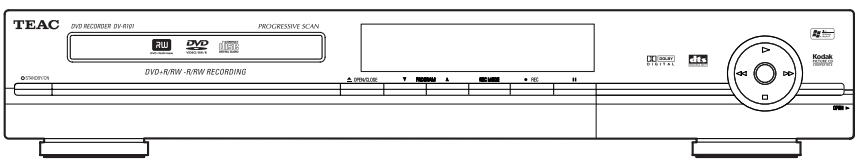
TEAC

DVD Recorder

DV-R101



USER MANUAL

IMPORTANT!

WARRANTY INFORMATION INSIDE. PLEASE READ

FOR INQUIRIES CALL
1800 656 700
OR
WWW.TEAC.COM.AU

TEAC WARRANTY REGISTRATION

Please read this warranty card.
Keep your purchase receipt to enable you to proceed quickly in the event of a Warranty Service.

Warranty Terms & Conditions

1. TEAC warrants to the original retail purchaser only, that this product is free from defects in material and workmanship under normal domestic use and authorises free service during the warranty period at any TEAC Authorised Centre only. TEAC warranty only applies to products purchased, used and serviced in Australia.

2. Subject to the terms herein, this warranty effectively covers the equipment as specified in the Warranty Periods Table from the date of purchase.

3. All parts, except the external cabinet, are warranted as specified in Warranty Periods Table, and will be repaired or replaced at the sole judgement of TEAC.

4. Normal customer maintenance as described in the owner's manual is not covered by this warranty (such as cleaning VCR heads etc.)

5. This warranty does not apply to equipment showing abuse, damage or that it may have been tampered with, altered or repaired outside any TEAC Authorised Service Centre. If so, the warranty will be void.
   ***Your nearest Authorised TEAC Service Centre is listed in your Owners Manual**

6. In the event that this unit or any defective parts must be returned to TEAC Service Centres, a copy of this warranty certificate and of your purchase receipt must be enclosed to be a valid warranty. Such equipment or parts must be sent freight prepaid to the nearest authorised TEAC Service Centre. After the repair, the unit will be available for collection by the owner or it will be returned to the owner. The warranty does not cover freight or insurance. In all cases of in-transit damages or loss, a claim must be filed against the carrier by the purchaser.

7. In home service will only be provided as part of this warranty if all the following conditions are met;
   a) The product is a Colour Television of 51cm screen size or over.
   b) The product is within the warranty period.
   c) The product is located within the normal service area of the local TEAC Service Provider.
   In any other situation or circumstance, where an in home service call is made, a service fee will be charged by the Service Provider.

8. TEAC Total Care in home service and installation is available at competitive rates.

9. No one is authorised to assume any liability on behalf of TEAC or impose any obligation on it, in connection with the sale of any equipment other than as stated in this warranty and outlined above.

10. In no event will TEAC be responsible or liable for indirect or consequential damages from interrupted operations or other causes.

11. Warranty is not transferable to any subsequent purchaser if the product is sold during the warranty period,

TEAC PRODUCT	WARRANTY PERIOD
Televisions / Plasma 106 cm and above	1 Year (In-Home Service Included)
LCD televisions 56cm and above	1 Year (In-Home Service Included)
Televisions – 51cm and above	1 Year (In-Home Service Included)
Televisions under 51 cm	1 Year (In-Home Service)
Digital Set Top Boxes	1 Year (In-Home Service)
VCR	1 Year (In-Home Service)
DVD	1 Year (In-Home Service)
DVD Recorder	1 Year (In-Home Service)
Audio Systems	1 Year (In-Home Service)

TEAC WARRANTY PROCEDURES

Please keep this information for your own records.

Please refer to the owner's manual to ensure that you have followed the correct installation and operating procedures.

1. Read owner's manual carefully.
2. If you require Warranty Service, please contact the TEAC Service Centre.
3. Please have your purchase receipt as your proof of purchase and the following details completed for a valid Warranty.

Owner's Name _____

Owner's Address _____

_____ Postcode _____

Moder Name/No. _____ Serial No. _____

Dealer's Name _____

Dealer's Address _____

_____ Postcode _____

4. Please ensure that your product is packed appropriately upon return to the service centre.

If you have any other queries regarding service or warranty please contact the TEAC Service below:

TEAC

TEAC Total Care Ph: 1800 656 700
info@teac.com.au

www.teac.com.au

IMPORTANT(for U.K.Customers)

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

If nonetheless the mains plug is cut off, remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

If this product is not provided with a mains plug, or one has to be fitted, then follow the instructions given below:

IMPORTANT. DO NOT make any connection to the larger terminal which is marked with the letter E or by the safety earth symbol ⏚ or coloured GREEN or GREEN-and-YELLOW.

The wires in the mains lead on this product are coloured in accordance with the following code:

BLUE : NEUTRAL
BROWN : LIVE

As these colours may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

When replacing the fuse only a correctly rated approved type should be used and be sure to re-fit the fuse cover.

IF IN DOUBT — CONSULT A COMPETENT ELECTRICIAN.

CAUTION Regarding Placement
To maintain proper ventilation, be sure to leave a space around the unit (from the largest outer dimensions including projections) equal to, or greater than, shown below.

Left and Right Panels : 10 cm
Rear Panel : 10 cm
Top Panel : 50 cm

CAUTION
The product shall not be exposed to dripping or splashing and that no object filled with liquids, such as vases, shall be placed on the product.

Do not install this equipment in a confined space such as a book case or similar unit.

Resetting the machine to the default factory settings.

- ➔ Important:
  All the information stored(TV channels, time and date, TIMER) will be lost.
- ➔ Connect from the main power supply.
  Press the SYSTEM INITIAL on the remote control to the default factory settings.
  Reset initial installation.

CAUTION:
TV' s can be susceptible to phosphor burn under certain circumstances. Certain operating conditions, such as the continuous display of a static image over a prolonged period of time, can result in phosphor burn if proper precautions are not taken. To protect your investment of your TV, please adhere to the following guidelines and recommendations for minimizing the occurrence of image burn.

1. Avoid displaying static images (such as menu icons)over a prolonged period of time.
2. Always power down the DVD Recoder and TV when you are finished using them.

This symbol means that the product is double insulated and you do not need an earth connection

CE This symbol means that this product keeps to the European safety and electrical interference directives

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For DVD Players with both 525p and 625p progressive scan outputs:

'CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 OR 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION' OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 525p AND 625p DVD PLAYER, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.'

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Conventions about This User Guide

- Instructions in this User Guide describe the controls on the remote control. You can also use the buttons on the front panel if they have the same or similar names as those on the remote.
- The types of functions and operations that can be used for a particular disc vary depending on the features of that disc. In some cases, these functions and operations may differ from the descriptions given in this User Guide. In this event, follow the instructions given on the screen. This User Guide only covers basic disc operations.
- For some operations, the PROHIBIT icon "⃠" may appear on the screen. This indicates that the operation described in this User Guide is not permitted for the current disc.
- The drawings about the TV screen and front panel display used in this User Guide are purely for the purposes of explanation. The actual displays may differ slightly from what are shown here.

Read this before operation

- As the unit may become warm during operation, always leave sufficient space around the unit for ventilation.
- The voltage supplied to the unit should match the voltage as printed on the rear panel. If you are in any doubt regarding this matter, consult an electrician.
- Choose the installation location of your unit carefully. Avoid placing it in direct sunlight or close to a source of heat. Also avoid locations subject to vibrations and excessive dust, heat, cold or moisture.
- Do not place the unit on the amplifier/receiver.
- Do not open the cabinet as this might result in damage to the circuitry or electrical shock. If a foreign object should get into the unit, contact your dealer or service company.
- When removing the power plug from the wall outlet, always pull directly on the plug, never yank the cord.
- To keep the laser pickup clean, do not touch it, and always close the disc tray.
- Do not attempt to clean the unit with chemical solvents as this might damage the finish. Use a clean, dry cloth.
- Keep this User Guide in a safe place for future reference.

DO NOT MOVE THE UNIT DURING PLAYBACK

During playback, the disc rotates at high speed. Do NOT lift or move the unit during playback. Doing so may damage the disc or the unit.

WHEN MOVING THIS UNIT

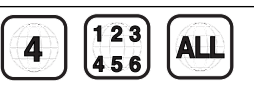
When changing places of installation or packing the unit for moving, be sure to remove the disc and return the disc tray to its closed position in the player. Then, press the power switch to turn the power off, and disconnect the power cord. Moving this unit with the disc loaded may result in damage to this unit.

Region number supported by this unit

Region numbers are allocated to DVD Recorder and software according to where they are sold.

- The region number of this unit is "4".
- The unit will play DVDs marked with labels containing "4" or "ALL".

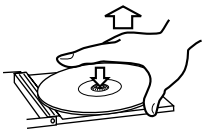
Example



Notes on Discs

This section shows you how to handle, clean, and store discs.

A



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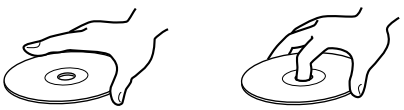
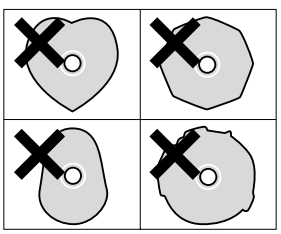


C

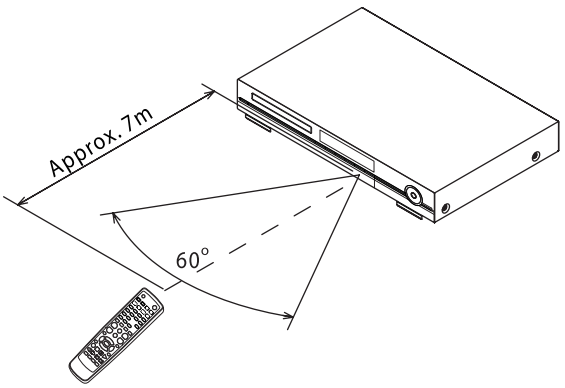
D



- Always place the disc on the disc tray with the label side uppermost. (DVD can be recorded and compact discs can be played only on one side. Some pre-recorded DVDs can be played on both sides)
- To remove a disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.

  A How to remove the disc
  B How to hold the disc

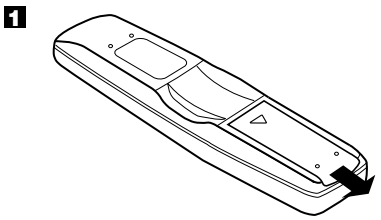
- Should the disc become dirty, wipe the surface radially (from the center hole outward towards the outer edge) with a soft, dry cloth : C
- Never use such chemicals as record sprays, antistatic sprays or fluid, benzine or thinner to clean the discs. Such chemicals will do irreparable damage to the disc's plastic surface.
- Discs should be returned to their cases after use to avoid dust and scratches that could cause the laser pickup to "skip."
- Do not expose discs to direct sunlight or high humidity and temperature for extended periods. Long exposure to high temperatures will warp the disc.
- Do not play any disc that is warped, deformed or damaged. Playing such discs may cause irreparable harm to the playing mechanisms.
- Recordable discs are more sensitive to the effects of heat and ultraviolet rays than ordinary CDs. It is important that they are not stored in a location where direct sunlight will fall on them, and which is away from sources of heat such as radiators or heat-generating electrical devices.
- Printable discs are not recommended, as the label side might be sticky and damage the unit.
- Do not stick papers or protective sheets on the discs and do not use any protective coating spray.
- Use a soft oil-based felt-tipped pen to write the information on the label side. Never use a ball-point or hard-tipped pen, as this may cause damage to the recorded side.
- Never use a stabilizer. Using commercially available CD stabilizers with this unit will damage the mechanisms and cause them to malfunction.
- Do not use irregular shape discs (octagonal, heart shaped, business card size, etc.). Discs of this type can damage the unit: D
- If you are in any doubt as to the care and handling of a recordable disc, read the precautions supplied with the disc, or contact the disc manufacturer directly.

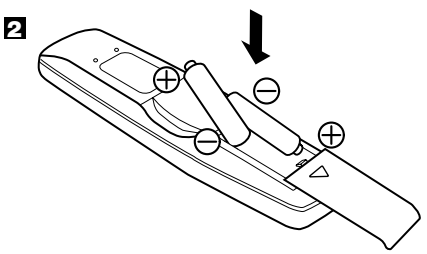


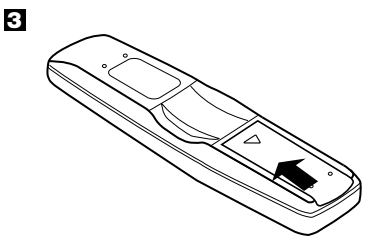
Remote Control Operation Range

The provided Remote Control Unit allows the unit to be operated from a distance.
When operating the remote control unit, point it towards the REMOTE SENSOR on the front panel of the unit.

- Even if the remote control unit is operated within the effective range, remote control operation may be impossible if there are any obstacles between the unit and the remote control.
- If the remote control unit is operated near other products which generate infrared rays, or if other remote control devices using infrared rays are used near the unit, it may operate incorrectly. Conversely, the other products may operate incorrectly.







Remote Control Battery Installation

1 Remove the battery compartment cover.
2 Insert two "AAA" dry batteries. Make sure that the batteries are inserted with their positive "⊕" and negative "⊖" poles positioned correctly.
3 Close the cover.

Battery Replacement

If the distance required between the remote control unit and main unit decreases, the batteries are exhausted. In this case replace the batteries with new ones.

Precautions concerning batteries

- Be sure to insert the batteries with correct positive "⊕" and negative "⊖" polarities.
- Use batteries of the same type. Never use different types of batteries together.
- Rechargeable and non-rechargeable batteries can be used. Refer to the precautions on their labels.
- When the remote control unit is not to be used for a long time (more than a month), remove the batteries from the remote control unit to prevent them from leaking. If they leak, wipe away the liquid inside the battery compartment and replace the batteries with new ones.
- Do not heat or disassemble batteries and never dispose of old batteries by throwing them in a fire.

PLAYBACK

- You can play various kinds of media.
DVD/DVD+R/+RW/-R/-RW
Audio CD/CD-R/ CD-RW
WMA/MP3-CD

- You can play slide show with KODAK/FUJI/JPEG discs.

- Supports Parental LOCK
You can prohibit the playing of specified DVDs which are unsuitable for children.

RECORDING

- Supports DVD-R/-RW recording

- Supports DVD+R/+RW recording

- Supports-VR mode for DVD-RW disc
VR(Video Recording) mode supports editing individual chapters with combine, rename, delete and split functions.

- Supports various Recording Mode (XP/SP/LP/SLP)
You can select Recording quality of picture and Recording length with various Recording Mode.

- Supports Recording from DV input(Digital Camcorder)

- Dolby Digital 2 CH. Audio Recording
This unit records using Dolby Digital 2 CH. enhanced high quality sound.

- Time Scheduled recording
You can schedule start time recording. This unit will start automatically recording and stop.

- VPS/PDC detected recording
VPS: Video Program system.
PDC: Program Delivery Control
Not available in Australia

- PIP(Picture in Picture)
PIP enables you to view a TV channel while you are-watching a video.

- Easy navigation of recorded title
It is easy to navigate recorded title with thumbnails and preview on the menu.

VIDEO

- Supports Progressive Scan
Using a component video cable, You can enjoy high fidelity non-interlaced pictures.

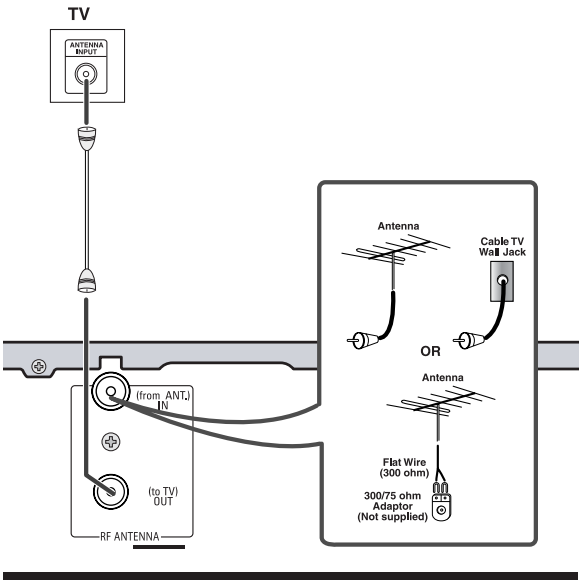
- Video ehancement
It is easy to adjust the proper Bright/Contrast level.

TV TUNER

- APS
APS: Automatic program search
It is easy to tune TV channels automatically using APS function. Tuned TV channels be stored automatically.

CAUTION :

- Switch off the power to all equipment before making connections.
- Read the instructions of each component you intend to use with this unit.
- Be sure to insert each plug securely. To prevent hum and noise, avoid bundling the signal interconnection cables together with the AC power cord or speaker cables.



Connection to a TV

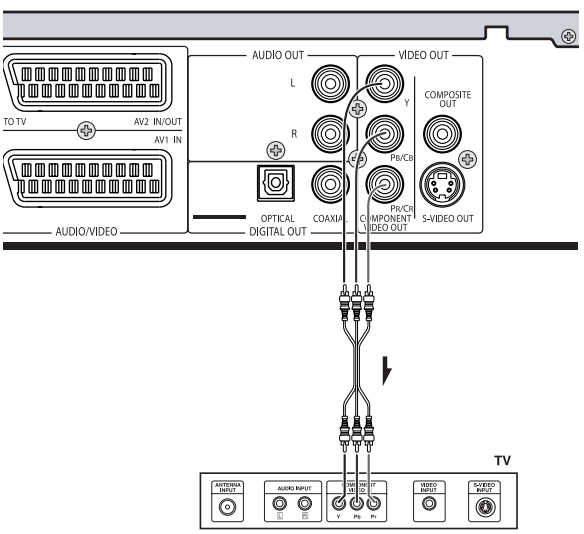
Make one of the following connections, depending on the capabilities of your existing equipment. The connections are listed in order of quality of picture from the best possible last. Additional information on each connection type is provided below:

A RF coaxial connection

a ANTENNA to DVD Recorder.

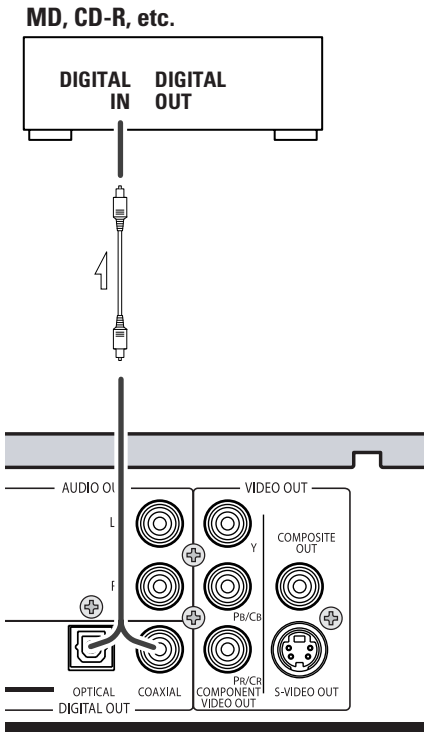
Connect the Antenna to the RF ANTENNA IN jack on the DVD Recorder.

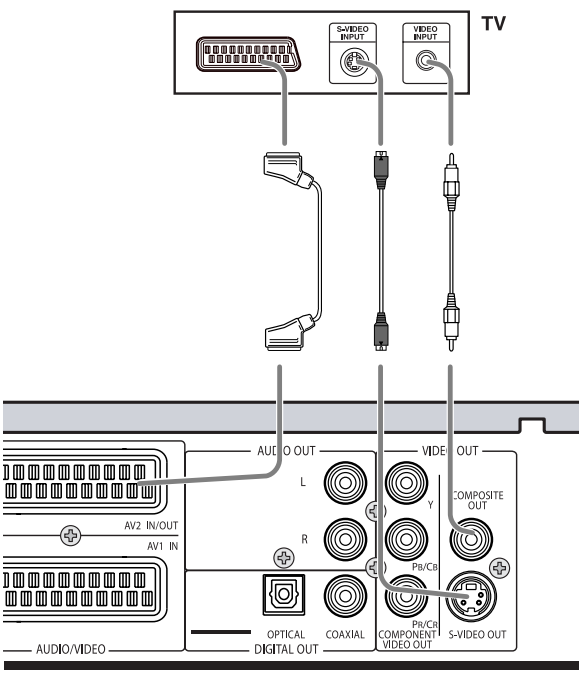
b Connect the **RF ANTENNA OUT jack** on the DVD Recorder to the antenna in jack on the TV using the 75-ohm Coaxial Cable supplied.



B COMPONENT VIDEO jack

If your TV or monitor has COMPONENT VIDEO IN jacks, connect them with a quality component video cable.
Connect the **COMPONENT VIDEO OUT** Y, P_B/C_B, P_R/C_R the DVD Recorder to the COMPONENT IN jacks on the TV using an optional Y, P_B/C_B, P_R/C_R cable.





C DIGITAL OUT jacks

- If the Accessory Component is provided with a DIGITAL INPUT jack, connect it to the **DIGITAL OUT** jack on the DVD Recorder. (Use the optional coaxial cord or optical fiber cable.)
- Connect any one of the DIGITAL OUT terminals.

DIGITAL OUT terminals

Connect the component with optional coaxial cables or optical cables.

DIGITAL OUT → DIGITAL IN (DVD, CD-R, MD, etc)

- Connect any one of the **DIGITAL** terminals. (OPTICAL or COAXIAL)

CAUTION:
Connect either OPTICAL or COAXIAL with suitable jack.

D S-VIDEO or COMPOSITE jacks

S-VIDEO connection is your second choice and is superior to the standard composite video connection.
If the component has a S-VIDEO jack, connect them with a high quality S-VIDEO cable.

S-VIDEO OUT → S-VIDEO IN (TV)

If neither COMPOSITE nor S-VIDEO is available, connect the component with a high quality RCA cable designed for video applications.

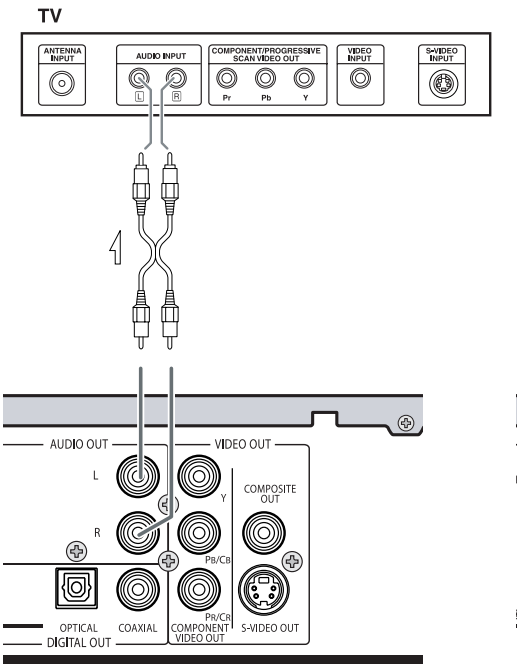
COMPOSITE OUT → COMPOSITE IN (TV)

E AUDIO/VIDEO Connector

Connect SCART jack on the unit to the SCART jack on the TV using the Scart Cable supplied.

AV1: SCART INPUT ONLY
AV2: SCART IN/OUTPUT

Notes:
- If you select SCART RGB OUTPUT, COMPONENT VIDEO OUTPUT signal is not output.
- If you select COMPONENT VIDEO OUTPUT, SCART RGB signal is not output.

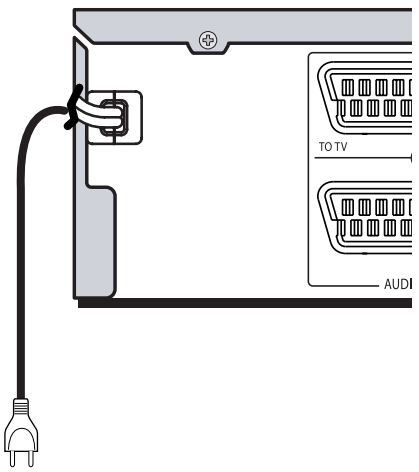


F AUDIO OUT jacks

Analog 2-channel audio signal is output from these jacks. Connect the component with an RCA pin cable.

Make sure to connect :
white plug → white jack (L: left channel)
red plug → red jack (R: right channel)

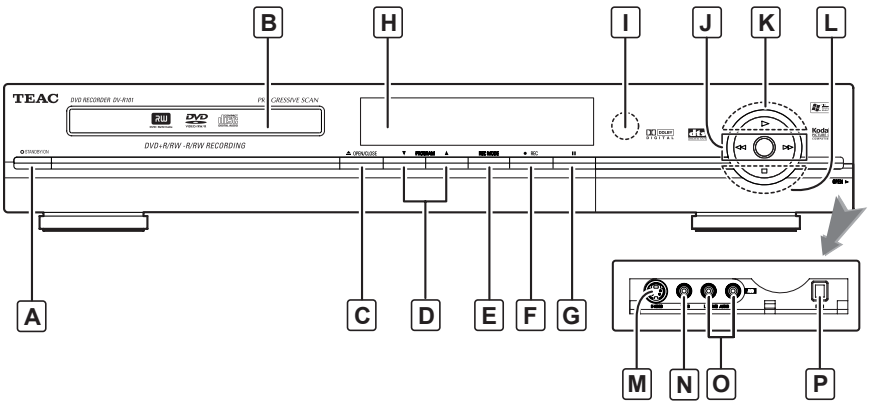
- If you don't have an amplifier and want to hear sound from a TV, connect AUDIO OUT jacks to the AUDIO INPUT jacks of TV.



G AC Power Cord

When all the connections have been finished, plug the AC power cord into an AC wall socket.

- Front Panel -



A POWER switch

Press this switch to turn the unit on or off(standby).

STANDBY indicator

This indicator lights when the unit is in the standby mode.

When the unit is turned on, it goes off.

B Disc tray

Press OPEN/CLOSE to open and close the disc tray.

C OPEN/CLOSE (⏏)

Use this button to open and close the disc tray.

D PROGRAM (▲, ▼)

Press to select to a channel to viewing or recording.

E REC MODE

Use this button to select the recording mode.

F ● REC

Use this button to start recording.

G PAUSE/❚❚(STEP) button

- Pause playback/recording temporarily.
- Press repeatedly for frame-by-frame playback.

H Display

When the unit is on, the current status of the unit is displayed

I REMOTE SENSOR

When operating the remote control unit, point it towards the REMOTE SENSOR.

J SKIP buttons (◄◄, ►►)

- In DVD mode, use these buttons to skip chapters or tracks.
- During PBC playback of a VCD, these buttons are used to advance the menu page.

K PLAY (►)

Use this button to start playback.

L STOP (■)

Interrupt playback/recording.

Front panel jacks

Analog and digital input/output jacks for connecting a camcorder or other external equipment.

M S-VIDEO input

Connect to an S-Video output of an external component.

N VIDEO input (AV3)

Connect to a composite(standard) video output of an external component.

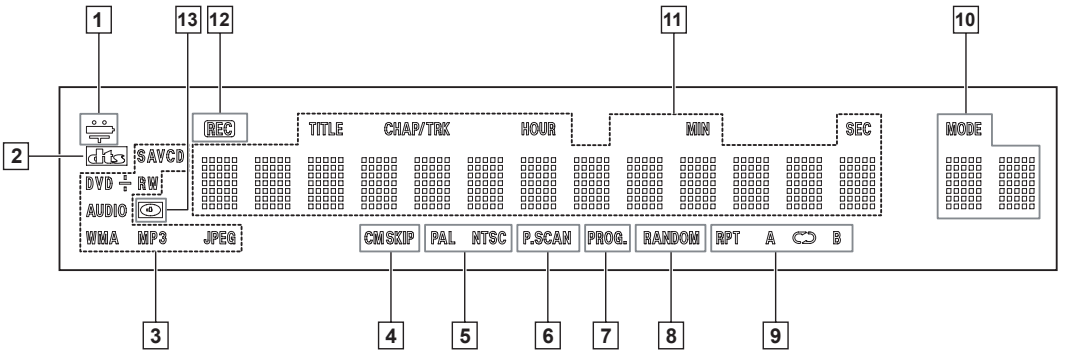
O AUDIO L/R (AV3)

Connect to a stereo pair of audio outputs of an external component.

P DV IN jack

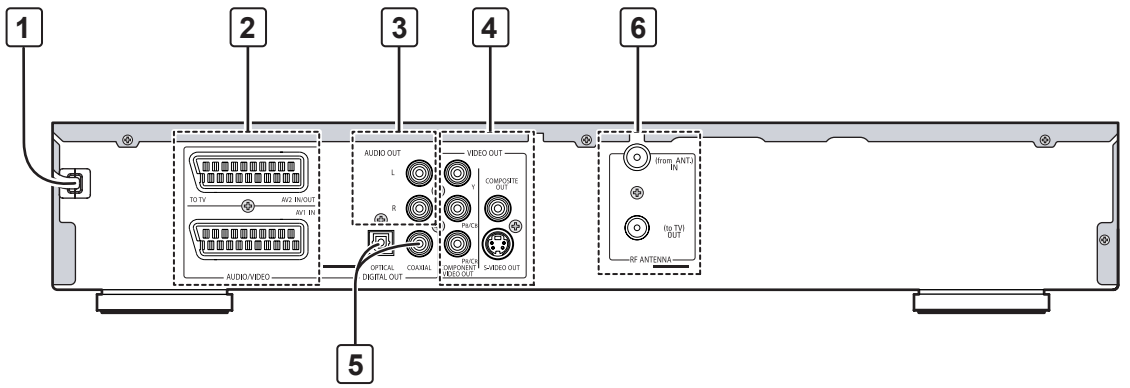
Input jack for connecting a digital camcorder.

- Front Panel Display -



1 Angle Indicator.
2 DTS(Digital Theater System) output.
3 Media type indicators.
4 CM SKIP indicator.
5 TV system indicator.
6 P.SCAN indicates prograssive scan mode.
7 PROG. indicates programmed playback is active.
8 Iluminates during shuffle playback.
9 Repeat play mode.
10 Record MODE.
11 Main display section.
Indicates clock, total playing time, title number, chapter/track number, etc.
12 Record indicator.
13 Indicates when the recorder is in timer recording.

- Rear Panel -



1 AC POWER Cord.

Plug into the power source.

2 AUDIO/VIDEO JACK

Connect to the TV with the SCART jack.

3 AUDIO OUT(Analog)

4 COMPONENT VIDEO OUT

Connect to a TV a component input.

S-VIDEO OUT

Connect to the S-VIDEO input of the TV.

COMPOSITE OUT

Connect to a TV a composite input.

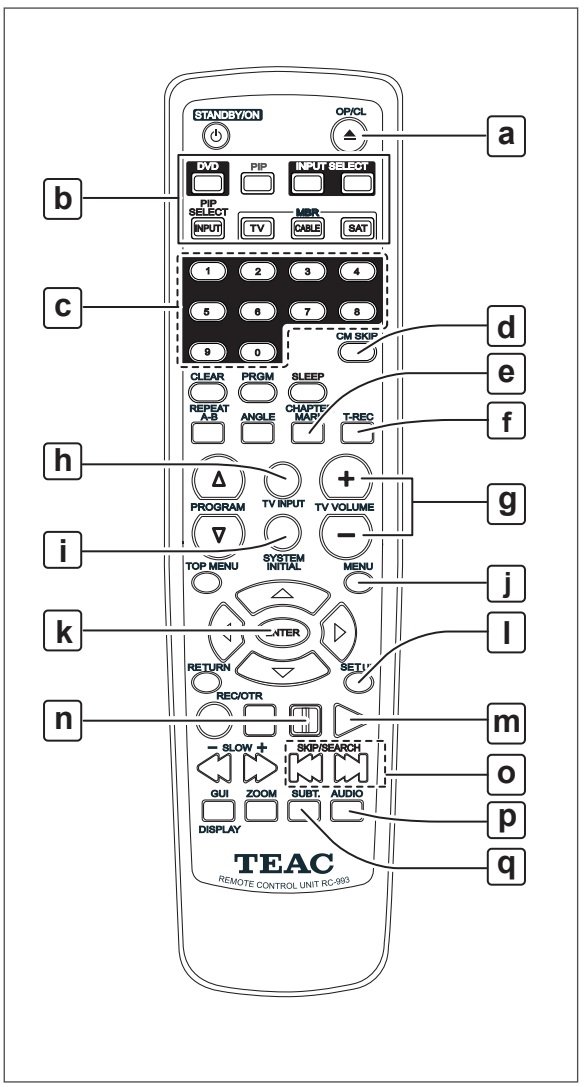
5 DIGITAL OUT JACKS(OPTICAL/COAXIAL)

6 RF ANTENNA

IN (FROM ANTENNA) : Connect the VHF/VHF/CATV antenna to this terminal.

OUT (TO TV) : Connect to a TV with an RF coaxial input.

- Remote Control Unit -



a OP/CL

Opens and closes the disc tray.

b Function buttons

(DVD, PIP, TV, AV ,PIP SELECT, CABLE, SAT)

Select the desired source or external input source.

c Numeric buttons

Use these buttons to key in track numbers, password, time search, etc.

d CM SKIP

Skips 10 seconds forward on the disc (about the length of a typical TV commercial) during DVD playback.

This function may not work with some disc.

e CHAPTER MARK

Use this button to inserts a chapter mark in the recorded title.

f T-REC

Makes the DVD ready to start recording at a preset time.

g Volume buttons (+, -)

Adjust the master volume.

h TV INPUT

Press this button to select for TV side input function.

i SYSTEM INITIAL

Use this button to reset to unit's factory settings.

j MENU

Bring up the disc menu when you're playing a disc.

k ENTER

Use this button to enter your selection.

l SETUP

Use this button to display the DVD SETUP menu.

This button is operated in the STOP mode.

m PLAY

Starts playback.

n PAUSE

Pauses playback / recording.

o SKIP/SEARCH buttons

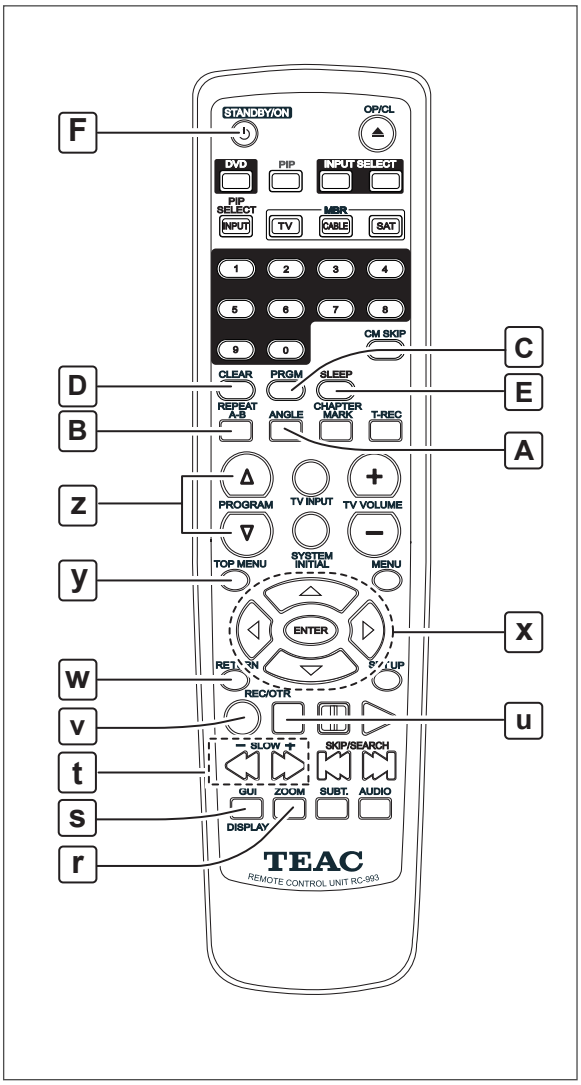
Use this button to change Disc title and chapter.

p AUDIO

Use this button to select an audio language.

q SUBT.

Use this button to select a subtitle language.



r ZOOM

Use this button to zoom the picture.

s GUI/DISPLAY

Bring up the ON-SCREEN display.

t SLOW buttons (-,+)

In DVD mode, these buttons are used for slow forward and slow reverse.

u STOP

Stops playback or recording.

v REC/OTR

Press to start to recording.

w RETURN

Use this button to return to the previous menu of DVD.

x DIRECTION (◀/▶/▲/▼) buttons

Use these buttons to select an item in a menu.

y TOP MENU

Use this button to display the title menu of DVD.

z PROGRAM (△,▽)

Press to select a channel for viewing.

A ANGLE

During playback of DVD recorded with multiple angles, this button is used to change the angle.

B REPEAT A-B

- Use to mark a segment to repeat between A and B.
- Use to repeat chapter, title, all.

C PRGM (TV program mode)

Use to memorize the desired channel.

D CLEAR (TV program mode)

Removes a number on the program menu.

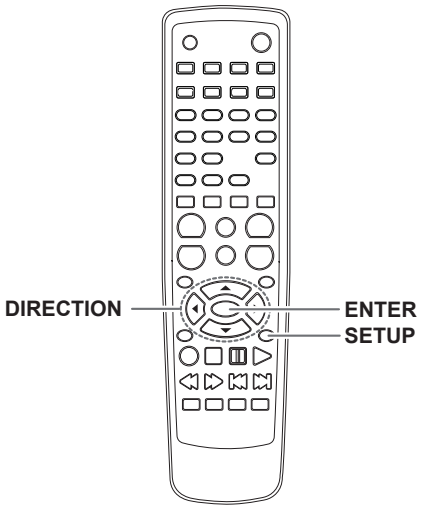
E SLEEP

Use to set the sleep timer function.

F POWER

System power on and off.

OSD Language Setting



This unit supports seven user selectable languages.

1 **Press the SETUP, then SETUP screen will appear.**

2 **Use the ▼,▲ buttons to select the "General" and press the ▶ or ENTER.**

3 **Use the ▼,▲ buttons to select the "General Set" and press the ▶ or ENTER.**
General Set menu will be displayed.

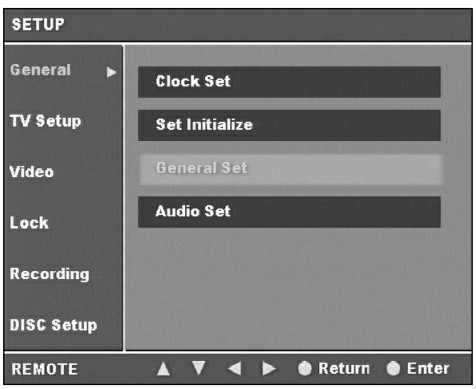
1. Select OSD Language menu by pressing the ▼, ▲ buttons.
2. Press the ▶ button repeatedly to select desired OSD Language.

   OSD Language will be changes as follow ;

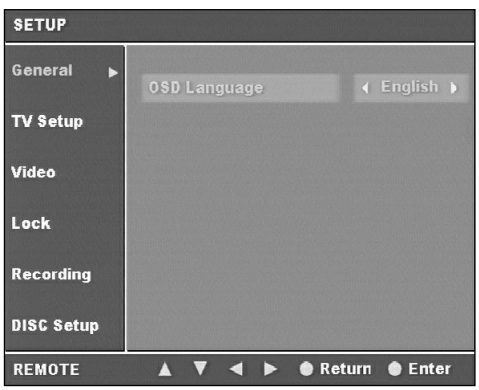
   English - Francais - Espanol - Italiano -Dutch - Slovensko - Deutsch

Notes:
Default language is set with English.
When the unit is reset the OSD language setting will be reset.

2



3



Set Initialize

If the system should fail to work properly, it can be reset to the factory condition.

1 Press the SETUP button, then the SETUP MENU will be displayed.

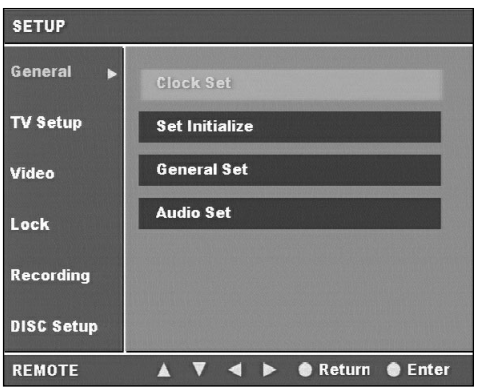
2 Select the "General", then press the ▶ or ENTER button.

3 Select the "Set Initialize" , then press the ▶ or ENTER button.

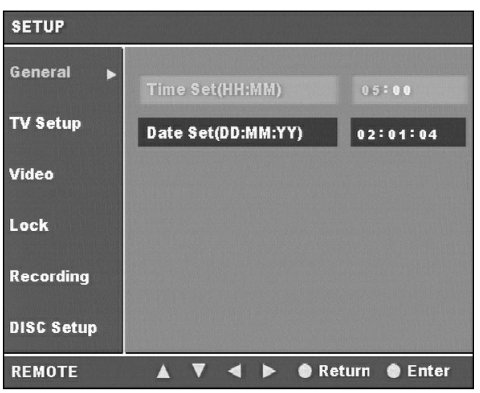
4 Select the "Yes".

Note:
All stored setting will be lost.

3



4



Setting the Clock

This setting is required to perform timer recording.

Manual Clock Set

1 Press the SETUP button, then the SETUP MENU will be displayed.

2 Select the "General", then press the ▶ or ENTER button.

3 Select the "Clock Set" , then press the ▶ or ENTER button.

4 Input the TIME by pressing the numeric buttons or press the ▼,▲ buttons.

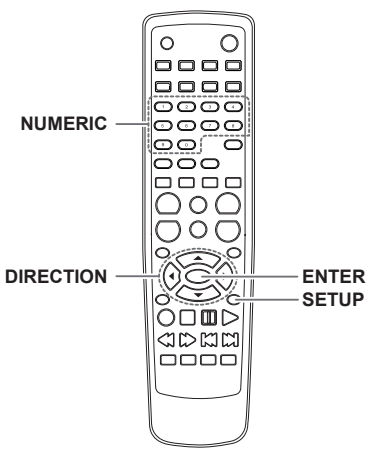
Example: Setting the clock to the imaginary current time : 23:30

1. Press the 2 & 3 buttons to set HOUR.
2. Press the 3 & 0 buttons to set MINUTE.
3. Press the ENTER button to complete.

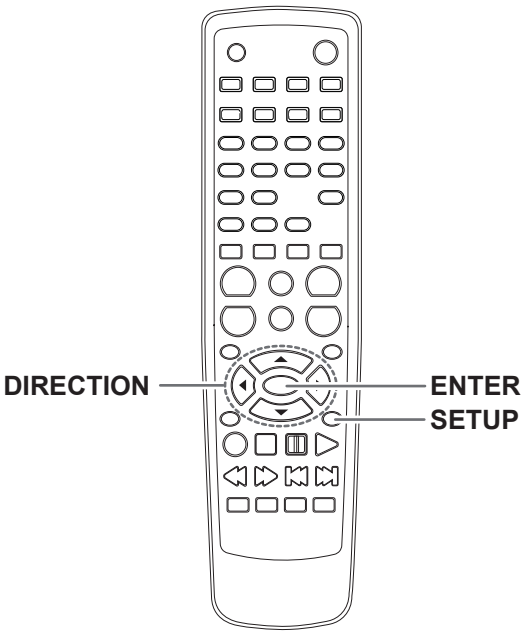
5 Input the DATE by pressing the numeric buttons.

Example: Setting the clock to the imaginary current date : 25 June.2004

1. Press the 2 & 5 buttons to set DAY.
2. Press the 0 & 6 buttons to set MONTH.
3. Press the 0 & 4 buttons to set YEAR.
4. Press the ENTER button to complete



TV Initial Set



Press the TV button to enter the TV mode.
(When entered the TV mode, The Display panel displays the current channel.)

1 **Press the SETUP , then SET UP screen will appear.**

2 **Use the ▼, ▲ buttons to select the "TV Setup" and press the ▶ or ENTER.**

3 **Use the ▼, ▲ buttons to select the "TV Initial Set " and press the ▶ or ENTER.**
TV Initial Set menu will be display.

A **RF Out Sound System**

1. RF Out Sound System menu by pressing the ▼, ▲ buttons.
2. Press the▶ button repeatedly to select desired TV sound system.
   RF Out Sound System mode will be changes as follow ;
   BG → DK → I

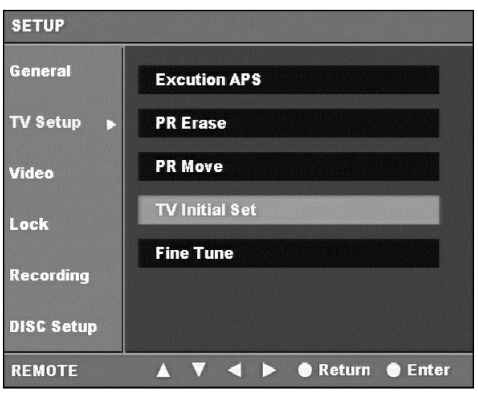
B **RF Out Channel**
Select the RF Out Channel menu in the TV Initial Set menu screen.
Press the ▶ button to enter a free channel between 21 and 68.

Note:
If the RF output from the DVD recorder causes interference to, or is inteferred by a local broadcast channel, the RF output channel of the DVD recorder should be changed.

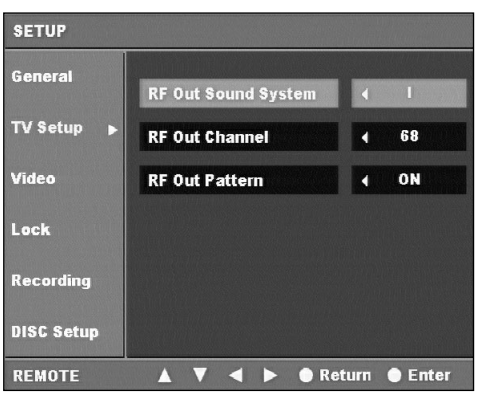
C **RF Out Pattern**
Select the RF Out Pattern menu in the TV Initial Set menu screen.
To output the test picture to the TV via the COAX aerial cable, press the ▶ button to select the RF Out Pattern ON

Note:
Tune the TV to the test picture using the channel preset functions of your TV as described in its manual.
When you have found the test picture, store it under the button number on your TV for video input. If the quality of the test picture transmitted to the TV is poor due to interference caused by a station transmitting on channel 38, you can tune the video to a different transmitting channel. Find a free channel between 21 and 68 on the TV.

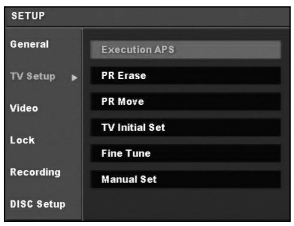
3



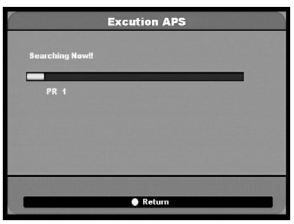
A



3



A



B

This setting is accessible only in the TV mode.

1 Press the SET UP, and then SETUP screen will appear.

2 Select the "TV Setup" by pressing the ▲/▼ buttons, then press the ▶ or ENTER button.

3 TV Setup menu screen will appear.

A TO SET TV CHANNELS AUTOMATICALLY

1. Select the 'Execution APS' menu, then press the ▶ or ENTER button.
2. The Auto Searching pop-up appears on the TV screen.
3. After finishing the AUTO SEARCH Process, the SETUP menu screen is automatically resumed.
4. Press the RETURN to exit the MENU screen.

Note:

- Auto memory of channels by the AUTO SEARCH function is possible only during broadcast.
- Search time is depending on a mount of channels and the strength of signals.

B TO DELETE A CHANNEL

After setting channels in the memory, you can delete any unwanted channels.

Select the 'PR ERASE' menu by pressing the ▼/▲ buttons, then press the ▶ or ENTER button.
Select a channel No. to erase by pressing the ▼/▲ buttons and press CLEAR on the remote control unit.

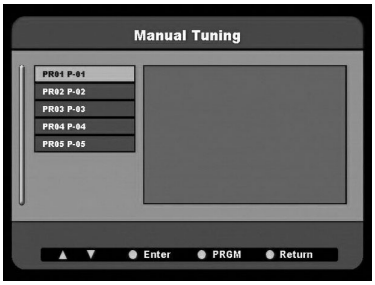
C CHANNEL Align

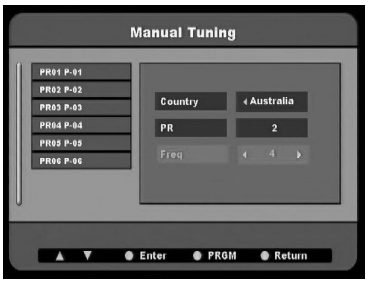
After you have performed the automatic channel search you may store them in memory on the channel list systematically.
Select the 'PR MOVE' menu by pressing the ▼/▲ buttons, then press the ▶ or ENTER button.

D FINE TUNE

If cable or TV signals are unstable, flashing, and so on, you can fine tune them as follows:

1. Select the FINE TUNE menu by pressing the ▼/▲ buttons, then press the ▶ or the ENTER.
   The FINE TUNE screen will appear.
2. Select a channel NO. by pressing the ▼/▲ buttons, then press the ENTER.
3. Press the ◀ or ▶ button to obtain the best picture.
4. Press the PRGM to store it.





E Manual Tuning System

This is a convenient way to memorise additional channels not set by automatic search.
And you can change channel settings memorized by the automatic search.

1. Press the SETUP, and then select the TV SETUP by pressing the ▼,▲ buttons.
2. The list of channels will be displayed.

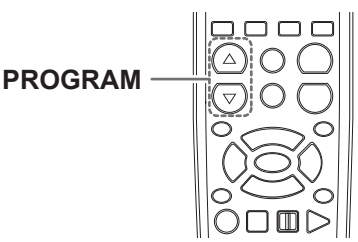
Change the existing setting

3. Select the channel which you want to change, and press the "ENTER" button.
4. A new dialogue window will be displayed, and then Select "COUNTRY", either Australia or West Europe.
5. Select the Frequency of broadcast by pressing ◀,▶ buttons. Press the "RETURN" to exit from MENU.

Add the new channels

3. Press the "PRGM" button on the remote control unit.
4. New PR(channel number) is created and dialogue window will be displayed. and then Select "COUNTRY", either Australia or West Europe.
5. Select the Frequency of broadcast by pressing ◀,▶ buttons. Press "RETURN" to exit from MENU.

Selecting a TV Channel

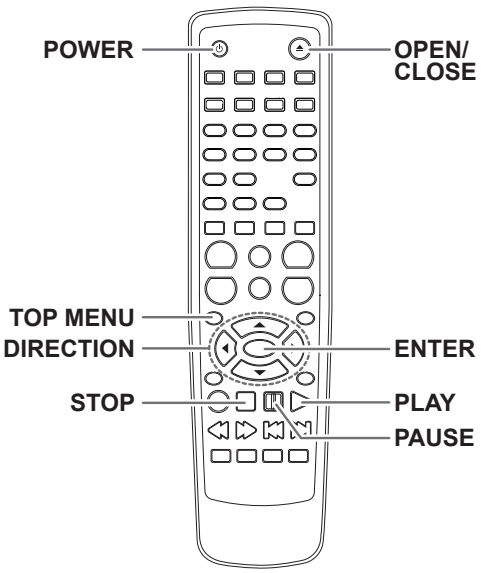


This setting is accessible only in the TV mode.

To select the desired TV channel :

1 Turn on the TV and DVD Recorder.

2 Press the △ or ▽ (PROGRAM) to select the desired TV channel.
The selected channel appears on the TV screen.



1 Press the POWER switch to turn the unit on.

2 Press the OPEN/CLOSE button (⏏).

3 Place a disc on the tray with the printed label face up.

Never place more than one disc on the tray.

4 Press the OPEN/CLOSE button (⏏) to close the tray.

- If the disc contains both music and images, a notification message appears asking you to select the type to content you wnat to play.
- When a Disc is loaded, the playback may start automatically and the Music screen opens listing all the tracks in the selected album.

A To start playback

In the stop mode, select desired track by pressing the ▲, ▼ buttons then the ► (Play) or ENTER button. The playing progress of the track is shown in the right hand panel of the screen.

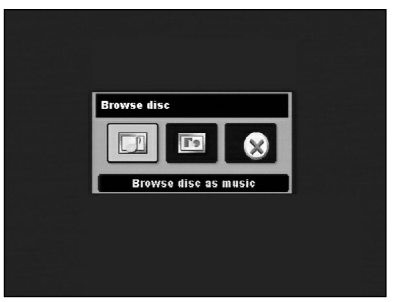
B To suspend playback temporarily (pause mode)

Press the PAUSE button (❚❚) during playback.
Music will be interrupted on MP3 and CD discs.
To resume playback, press the ► (Play).
Play will continue from where you paused the playback.

C To stop playback of CD and MP3

Press the STOP button (■).

4



JPEG

Viewing Images

You can view JPEG pictures as a single image or one after the other automatically.

- To view single picture, press the ENTER.
- To view all the images as a slide show, press the ▶ (Play).
  JPEG picture is shown on the TV for approximately 8 seconds and then automatically changed to the next file.

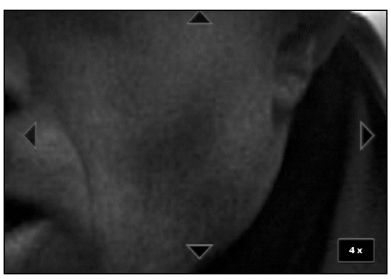
Rotating Images

- Turn around
  ▶ : Toward the right (Rotates pictures by 90°)
  ◀ : Toward the left (Rotates pictures by 270°)
- Turn over
  ▲ : Up and down (Rotates pictures by 0°)
  ▼ : Left and Right (Rotates pictures by 180°)

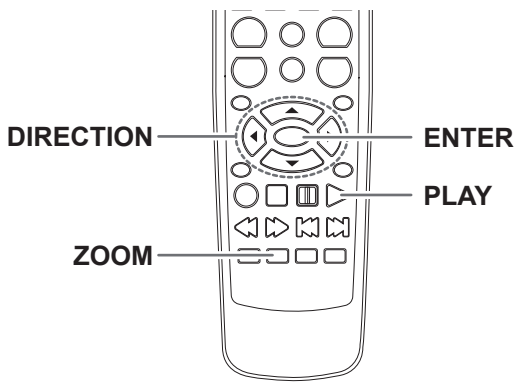
Picture Zoom

To zoom the picture, press the ZOOM button during playback.

Each time the ZOOM button is pressed, the magnification level changes.
: between : 2x → 3x → 4x → OFF



- You can shift the zoom point by pressing the ▲/▼/◀/▶ buttons during zoom playback.
- Zooming does not work on subtitles or menu screens.
- Some discs might not respond to zoom.



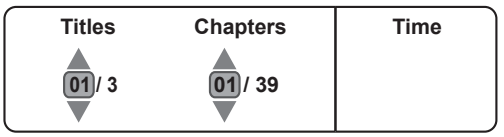
You can search for a specific place within a video using the Search bar.

Title/Chapter Select

1

1 Press GUI button then use the ◀, ▶ buttons to move to (Search Action icon) and press ENTER.

The search bar opens and the current title and chapter number.



- When no button is pressed for 5 seconds, search mode will be cancelled.

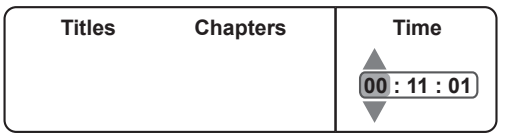
2 Use the ◀, ▶ buttons to move to desired search mechanism.

3 Use the ▲,▼ buttons to move to desired value for the search mechanism and press ENTER.

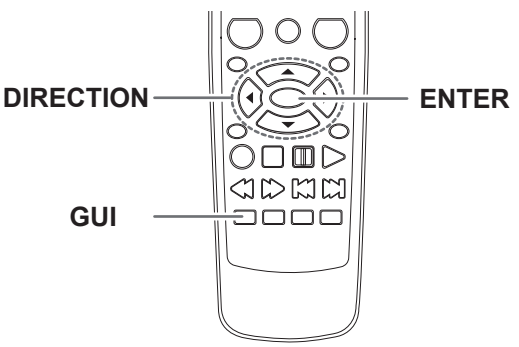
Playback starts from the selected title or chapter.

Time Select

In the Time field, use the ▲,▼ buttons to input the time you want the movie.



The movie moves to the location you have specified in the search.



Playback from a specific chapter/track

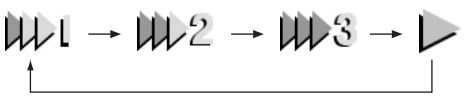
To skip to a specific chapter/track

During playback, press the ⏮ or ⏭ (SKIP) button repeatedly until the desired chapter or track is found. The selected chapter/track will be played from the beginning.

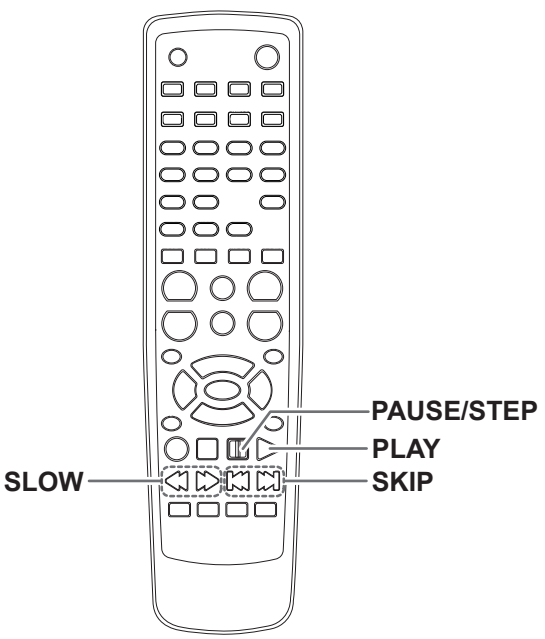
Search for a part of a chapter/track

During playback, press and hold the ⏮ or ⏭ (SKIP) button for more than 0.5 second until the search function is activated.
Press the ▶ (PLAY) when the part you want to listen to is found.

Each time the ⏮ or ⏭ (SKIP) button is pressed for more than 0.5 seconds during search, the search speed is increased.



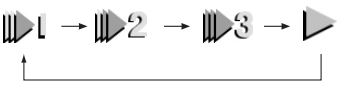
- The sound is muted during playback of DVD. The track skips during playback of MP3.
- The subtitles will not appear on the screen.
- This function may not work with some discs.



Slow-Motion Playback

DVD only
To play a disc in slow-motion, press the SLOW buttons during playback.
Each time the SLOW buttons is pressed, the speed is changed.

⏭ SLOW : slow forward playback



⏮ SLOW : slow reverse playback

To resume normal playback, press the ▶ (PLAY).

- The sound is muted during slow-motion playback.
- The subtitles don't appear on the screen during slow-motion playback.
- This function is not available for CD and MP3.

Single Stepping Playback

To play a disc frame by frame, press the ⏸ (PAUSE/STEP) during playback.
Each time the ⏸ (PAUSE/STEP) is pressed, the picture advances by one frame.

To resume normal playback, press the ▶ (PLAY).

- This function is not available for CD and MP3.

PIP

PIP function only works in the DVD mode.

Picture in Picture enables you to view a TV channel while you are watching a video or listening to music.

Press PIP on the remote control unit, and then a small screen appears in the bottom right of the TV screen.

Use the PIP SELECT to select the desired video input.

Press PIP again to close the picture in picture.

Note:
You cannot record while in PIP mode.

SLEEP

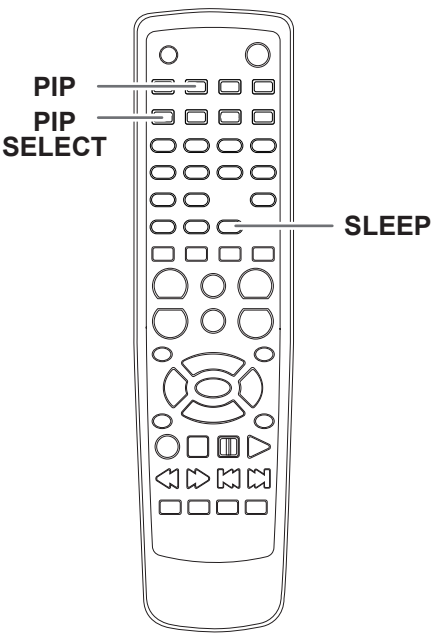
The power can be switched off after a specified amount of time.

Press the SLEEP button repeatedly until desired time appears on the display.
The sleep time can be changed by 10 minutes' step.

SLEEP- 90 (80, 70...or 10)-SLEEP OFF
The SLEEP indicator lights, and the power will be switched off 90 (80, 70...or 10) minutes later.

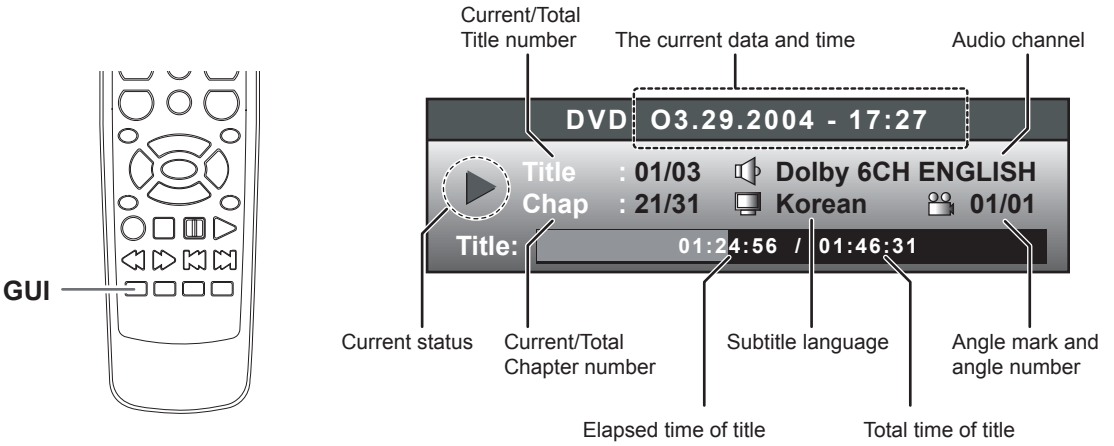
Normal display
Sleep timer is off.

- When you set the sleep timer, the dimmer mode is turned on automatically.
- If you want to check the remaining time, press the SLEEP button once. The remaining time will be displayed for 4 seconds, and return to the normal display.

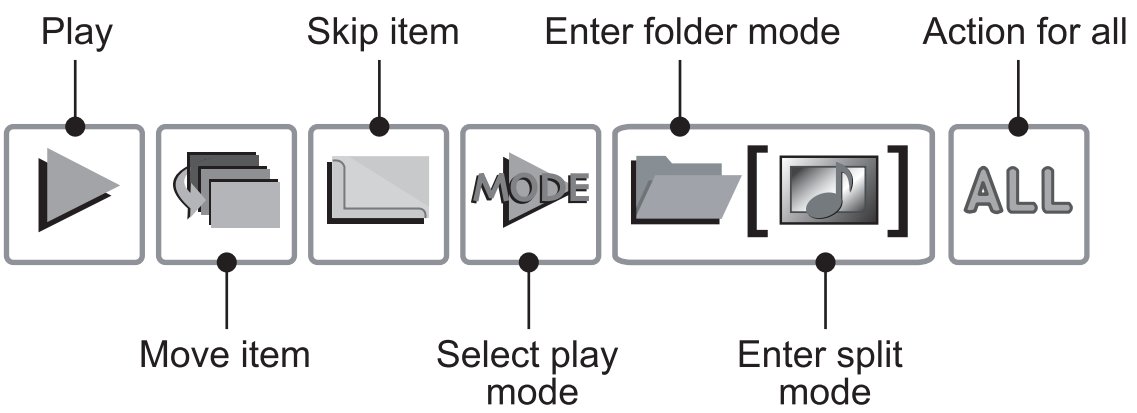


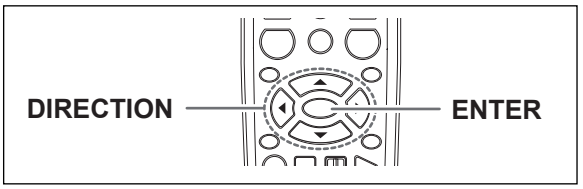
GUI (Graphical User Interface)

If you press the GUI button during playback, specific information will appear on the screen.



Action Bar Icons





You can change the track (song) order in an album by moving, shuffling or skipping.

To move the song order

1 From the Music screen, move to track you want to change and press ENTER.

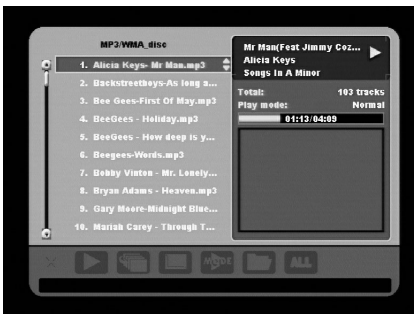
Action bar is highlighted.

2 Use the ◀, ▶ buttons to move to (Move item) on the Action bar and press ENTER.

"▲▼" appears on the screen.

3 Use the ▲, ▼ buttons to move track and press ENTER.

2



To skip the song

1 From the Music screen, move to the track you want to change and press ENTER.

Action bar is highlighted.

2 Use the ◀, ▶ buttons to move to (Skip item) on the Action bar and press ENTER.

3 Use the ▲, ▼ buttons to move to skip and press ENTER.

Skip mark checked song will be skipped in playing list.

3

To shuffle the song order

1 From the Music screen, move to any track and press ENTER.

Action bar is highlighted.

2 Use the ◀, ▶ buttons to move to (Select play mode) on the Action bar and press ENTER.

A list opens with Play MODE options.

2

3 Use the ▲, ▼ buttons to move to Shuffle and press ENTER.

"Shuffle" is shown in the right hand panel of the screen.

The disc will playback automatically in the random order.

Repeat Playback of CD,MP3

Method 1.

1 Use the ◀, ▶ buttons to move to (Select play mode) on the Action bar and press ENTER.
A list opens with Play MODE options.

2 Use the up ▲, ▼ buttons to move to desired repeat mode(Repeat song, Repeat all) and press ENTER.
Selected repeat mode is shown in the right hand panel of the screen.

Method 2.

Press the REPEAT A-B for more than 3 seconds.

Each time the REPEAT A-B is pressed, the mode is change as follow:

DVD

→ Chapter repeat → Title repeat
Repeat off ← All repeat ←

CD, MP3, WMA

→ Repeat Song → Repeat ALL
Normal ←

Repeat Playback of a Designated Section(A-B Repeat) of DVD

Each time the REPEAT A-B is pressed, the mode is changed as follows :

→ REPEAT A → REPEAT B
REPEAT A⇄B ←

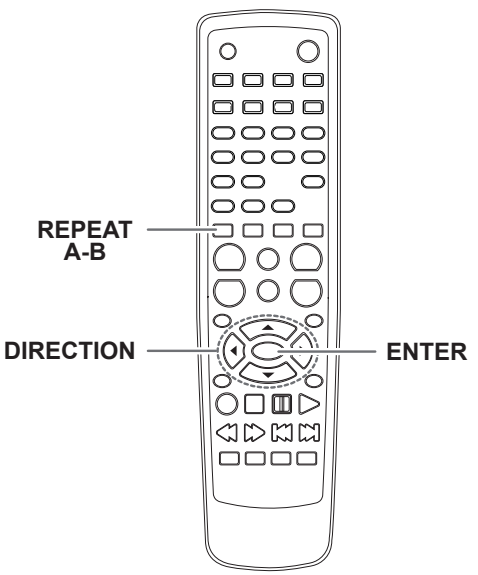
This function works during DVD playback.

1 Start playback and designate the point at which the A-B repeat should start (point A) by pressing the A-B button.
" Ⓐ " appears on the screen, and " RPT A"lights on the front panel display.

2 When the point at which repeat playback should end (point B) is reached, press the A-B button again.
" Ⓐ Ⓑ " appears on the screen, and " B" lights on the front panel display.
The designated section will be played repeatedly.

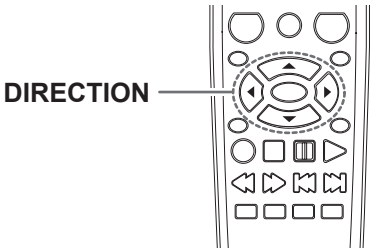
- When playing a DVD, point A and B should be selected from the same title.
- There should be more than 2 seconds between A and B.
- If one of the following buttons is pressed, A-B repeat mode will be cancelled:

SKIP, REPEAT A-B, OPEN/CLOSE, POWER, FUNCTION



Folder mode/Split mode

when an MP3 disc is loaded, if you want to select another directory, use the ◀, ▶ buttons to move to (Enter Folder mode) on the Action bar and press the ENTER to the ROOT directory.



When an MP3 disc has many folders, you can select (Enter folder mode) or (Enter split mode).

- **Folder mode**
  You can play songs by navigating a list of the whole disc.You just select song by ▼, ▲ buttons.

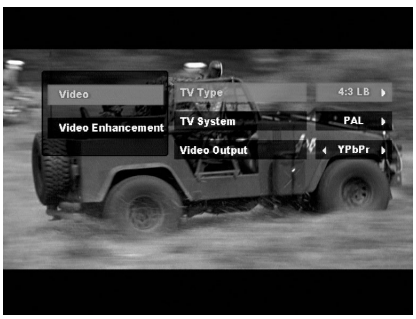
- **Split mode**
  You can navigate a Folder tree of the whole disc.
  You just select song using ▼, ▲ buttons.

1 Press GUI then use the ◀, ▶ buttons to move to (Open play setting Action bar) and press ENTER.

2 Use the DIRECTION buttons to select desired item.

Video

A



A TV Type

Depending on the type of TV you have, you may want to adjust the screen setting.(aspect ratio)

4:3 PS (Pan & Scan mode)

When you connect a normal TV to the system, this setting displays a wide picture on the whole TV screen with a portion (right and left sides of the picture) automatically cut off.

4:3 LB (Letterbox mode)

When you connect a normal TV to the system, this setting displays a wide picture with bands displayed on the upper and lower portions of the screen.

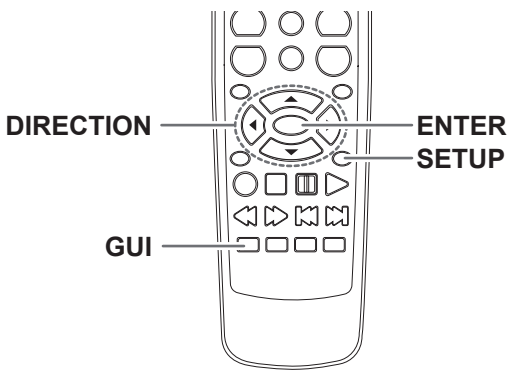
16:9 WIDE (Wide-screen mode)

Use this setting when you connect a wide-screen TV to the system.

Note:
Results will vary depending on disc format and TV type.

B TV System

You may need to change the color system to match your TV. If your television should happen to use NTSC, you need to change this setting.

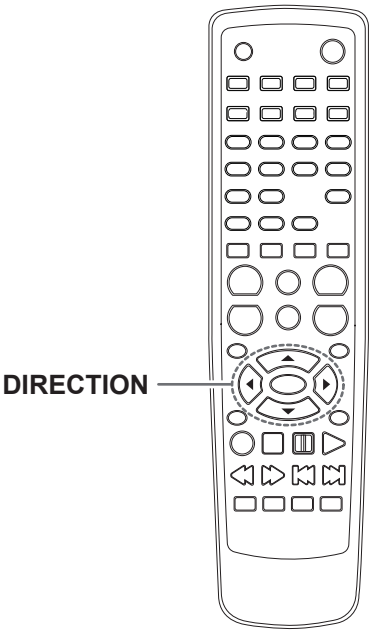


PAL : Select PAL when a PAL TV is connected.

NTSC: Select NTSC When a NTSC TV is connected.

Notes :

- If your TV is PAL and you've selected NTSC by mistake, your picture may appear in black and white. In ordr to correct, press SETUP and GUI buttons and select PAL TV System.
- PAL signals can be recorded directly from all external inputs. Please ensure PAL TV System is selected in the menu for viewing on a PAL TV.
- NTSC signals can be recorded directly from all external inputs. Please ensure NTSC TV System is selected in the menu for viewing on a NTSC TV.



C Video Output

RGB

Select this when your TV or monitor is connected via the SCART VIDEO jack.
SCART VIDEO signal is output from the AUDIO/VIDEO jack.

YP_bP_r

Select this when your TV or monitor is connected via the COMPONENT VIDEO jack.
COMPONENT VIDEO signal is output from the COMPONENT VIDEO OUT jack.

P.SCAN

If your TV does not support progressive scan, do not use this setting.
You can't use this setting when TV system is set to NTSC.
P.SCAN signal is output from the COMPONENT VIDEO OUT jack.

Note:

- If the TV System select as PAL, you can watch the 576P P-Scan Signal (DVD, AV1, AV2, AV3, S-Video, DV and TV) on the P-Scan TV through the Component Video Jack.
- If the TV System select as NTSC, you can watch the 480P P-Scan Signal (DVD, AV1, AV2, AV3, S-Video, DV and TV) on the P-Scan TV through the Component Video Jack.
- If Progressive Scan has been selected and your TV is not compatible you will probably TV picture will be lost or appear distorted.
  Please follow these instructions to correct:

1 **If playing a DVD press "STOP" button.**

2 **Press "SETUP" button**

3 **Press "ZOOM" button repeatedly until you can see video output.**

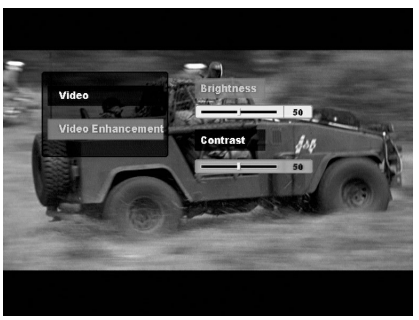
Video Enhancement

To manually adjust picture brightness and contrast

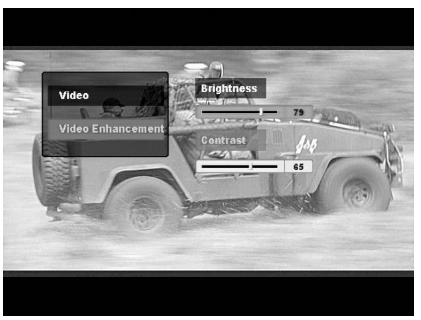
1 **Use the ▲,▼ buttons to select the Contrast or Brightness**

2 **Use the ◀, ▶ buttons to obtain best picture.**

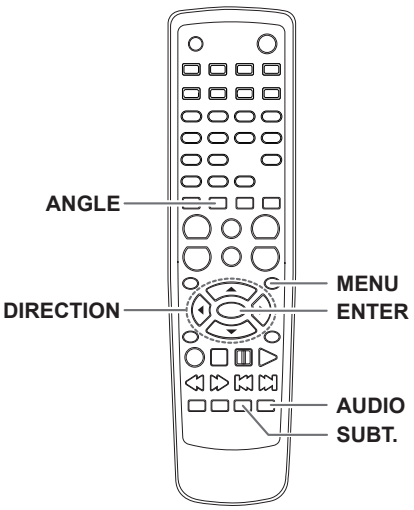
1



2



Change the Angle



When a scene recorded with multiple angles is played, the angle icon appears on the screen. Each time you press the ANGLE button while the angle icon is displayed, the camera angle changes.

- When no other angle is recorded, the PROHIBIT icon ⃠ will be displayed.
- You can change the setting so that the angle icon isn't displayed even when a scene recorded with multiple angles is played.

Select a Subtitle Language

1 To select a subtitle language, press the SUBT. button during playback.

A list of subtitle languages opens.

2 Use the ▲,▼ buttons to select desired subtitle language and press the ENTER.

- The default subtitle value is "OFF".
- It may take a few seconds till a selected subtitle appears on the screen.

Select an Audio Language

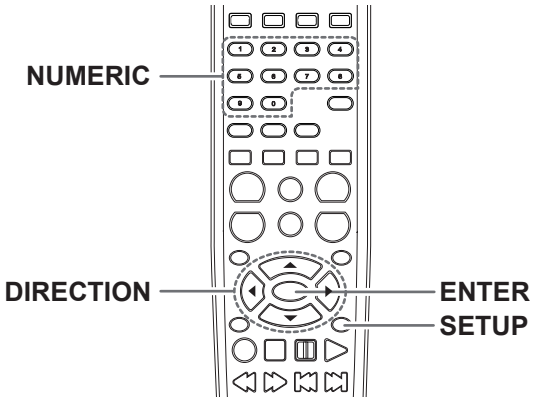
1 To select an audio language, press the AUDIO button during playback.

A list of audio languages opens.

2 Use the ▲,▼ buttons to select desired language and its sound recording system and press the ENTER.

- Some discs allow you to change audio language only via the disc menu. In that case, press the MENU button and change the settings.

Setting a Rating Level and Password



How to use the Lock.

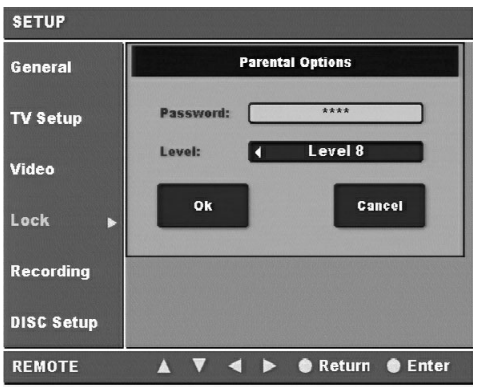
You can prohibit the playing of specified DVDs which are unsuitable for children. Some DVD discs contain a restriction level which enables parents to remove scenes or prevent playback of discs by children. Your DVD player has a password device designed to prevent children from changing the level.

1 Press the SET UP to change Rating Level.

2 Press the ▼ button to select "Lock" and press the ▶ or ENTER button.

3 Select the "Parental options" and press the ENTER.

4



4 Use the numberic buttons to enter password and press the ▼ button to select Level and repeatedly press ◀, ▶ buttons to select desired Level.

Notes

The password is preset to 1234. The rating is preset to NO LOCK "as a default".

5 Press the ▼, ▶ buttons to select OK or Cancel.

Notes

Some DVD discs are not encoded with a rating though the movie rating is printed on the disc jacket. The rating level feature does not work for such discs.

Change the password

If you change the password, you must enter a 4-digit password.

1 Press the ▼ button to select Change password and press the Enter button.

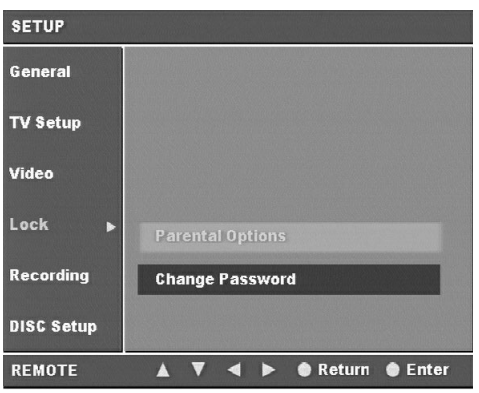
2 Type a 4-digit password into Old password .

3 Type a new 4-digit password into New password .

4 Press the ▼, ▶ buttons to select OK or Cancel.

Important : Do not forget your password

1



This recorder can make recordings onto recordable DVD discs from TV, DV in or other external equipment connected to the recorder. Firstly please read the basic recording concepts below before using the recording function. It is not possible to record from protected discs, video tapes or other copy protected sources.

DISCS FOR RECORDING

DVD+R/-R and DVD+RW/-RW discs can be recorded with this recorder. +R/-R of the DVD+R/-R means Recordable and discs can only be recorded once like CD-R. recordable. While +RW/-RW of the DVD+RW/-RW means ReWritable and can be recorded many times.

DVD-R Discs

- DVD-R discs can be recorded in the Video mode.
- Discs are write-once discs with a capacity of 4.7GB per side.
- Two versions have been defined: DVD-R for Authoring and DVD-R for General use.
- DVD-R discs allow incremental writing (cf CD-R multi-session writing)
- Finalised discs can be played with other DVD players.
- Disc title can be edited with this recorder until finalised.

DVD-RW discs.

- DVD-RW discs can be recorded in Video and VR modes.
- discs are re-writable with a capacity of 4.7GB per side for consumer applications such as video recording.
- Write and Erasing is enabled up to 1,000 times.
- Erase and initialize(format) is enabled.
- Additional recordings can be made until the disc is full, but recording time cannot be increased by erasing. Erased titles remain on the disc, but are not visible in the recorded menu.
- Finalised disc can be played on other DVD players.
- Disc title can be edited with this recorder until finalised.

DVD+R Discs

This format, which is essentially very similar to DVD-R, was developed by Philips and Sony. It is an extension of the DVD+RW format supported by the DVD+RW Alliance comprising HP, Philips, Ricoh, Sony, Yamaha, Verbatim/Mitsubishi Chemical, Dell and Thomson.

DVD+RW Discs

A different version of a re-writable DVD-RW format that is designed to be more suitable for both real-time video recording and random data recording. DVD+RW discs can be recorded in 4.7GB capacities. DVD+RW discs can be accessed in set top DVD players and computers equipped with DVD-ROM drives.

INITIALIZE AND FINALISE

Initializing must be performed before using a DVD-RW/+RW disc. After the Discs have initialized you can record. you
can also make a blank disc with initializing(format).

In order to play a recorded disc (DVD +R,-R,+RW,-RW) which was recorded in another unit, it should be finalised in the other recorder.
Otherwise, a "Disc Error" Message Box may appear when the disc is inserted.
Unfinalised +RW/-RW discs recorded on non - TEAC DVD recorders may not be compatible with this unit. In order to create a recording with a disc recorded on another brand DVD recorder, select FORMAT in the DVR101 SETUP menu.
Note: Formatting erases all contents on the disc.

QUALITY OF RECORDING

Quality of Recording can be set according to Recording mode. Refer to table below for the applicable recording mode. you can select recording mode in each title.

Quality	Length
XP	1H
SP	2H
LP	4H
SLP	8H

DISC REMAINING TIME

Disc remaining time is set according to the quality of recording. The higher the quality mode setting, the less the recording time is available on the disc. If you want long recording time, set recording mode with "SLP"

UNRECORDABLE DISC

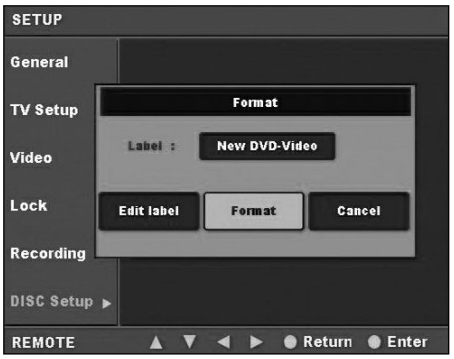
- CD-R/-RW cannot be recorded.
- Disc damaged physically cannot be recorded.
- Finalised Disc cannot be recorded. After unfinalised you can record.
- Fully recorded Disc cannot be recorded.
- According to a kind of disc vendor a few disc may be not recordable. Try to use other discs.
- Regarding DVD-RW DISC (1X / Version 1.1), the unit cannot support these types of disc for recording.

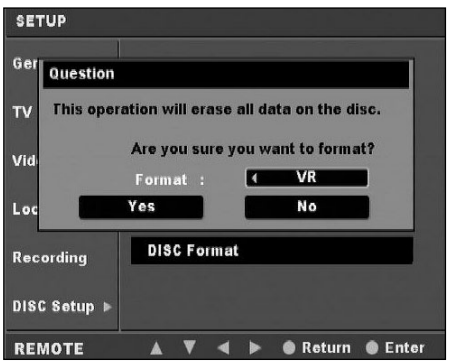
RECOMMENDED DISC

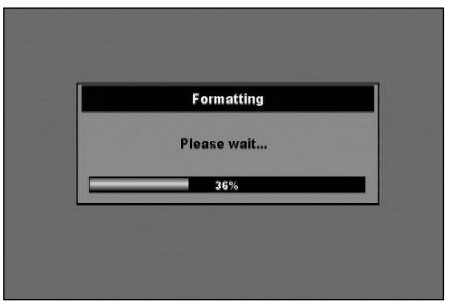
- Recommended discs might work better than others. if you want to record in high fidelity, use these recommended disc.

DVD+R	PLATINUM FUJIFILM PHILIPS
DVD+RW	PLATINUM FUJIFILM PHILIPS
DVD-R	SAMSUNG Verbatim TDK
DVD-RW	maxell Verbatim TDK

Initialize







Initializing a DVD-R/-RW/+R/+RW disc When you first load a blank disc, the recorder will initialize it automatically for recording. You can also manually initialize DVD-R/-RW/+R/+RW discs.

New Disc initialzing (-R/+R/+RW)

1. Insert NEW DISC in the disc tray.
2. "FORMAT" window will be displayed, then format will be performed automatically.

FORMAT DISCS (-R/+R/+RW)

Similar to a floppy disc on a computer, formatting discs makes them ready for recording by creating a blank disc.

1. Insert the recorded disc in the disc tray.
2. Select "DISC Setup" from the "SETUP" menu using ◀, ▶ buttons.
3. Use the ◀, ▶ buttons to edit the disc title name.
4. Select "FORMAT"

Format DVD-RW DISC

DVD-RW disc can be formatted for DVD-Video mode or VR(Video Recording) mode. VR mode supports the more flexible editting of contents.

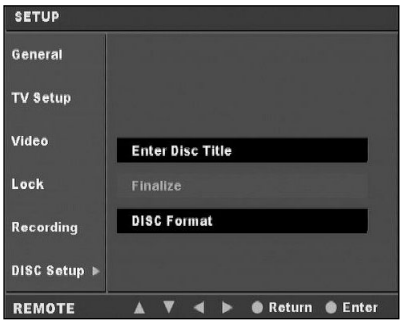
1. Insert the DVD-RW disc in the disc tray.
2. Select the "FORMAT" menu of the "DISC SETUP" menu. Message window will be displayed.
3. Select the format mode "VR" or "Video" using ◀,▶ buttons.

When you first load a DVD-RW disc(new DISC), the Recorder will display message window instead of automatic initializing. you can make selection of format mode.

Note:

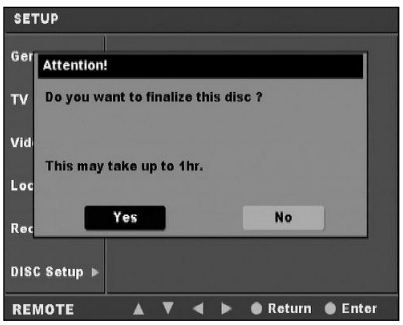
- Formatting takes a several seconds. Do not turn off the unit until formatting is completed.
  Initializing a disc will erase everything recorded on it. Make sure there is nothing on the disc that you want to keep!
- Avoid using VR mode discs recorded with other DVD recorders if possible.
  If you choose to use discs recorded on other DVD recorder brands, they may take up to 30 minutes to format.
- Discs formatted in this unit are not compatible for recording with other recorders from Sony, Panasonic etc.. If you wish to record with these recorders, please format the disc on them.

Finalise



Finalise(DVD+R, DVD-R, DVD+RW, DVD-RW)

Finalising 'fixes' the recordings in place so that the disc can be played on a regular DVD player or computer equipped with a suitable DVD-ROM drive.
Once you've finalised a disc recording, you can't edit or record anything else on that disc. You can record and edit on this recorder after unfinalising.
Finalise a disc by selecting Finalise in the SETUP option.

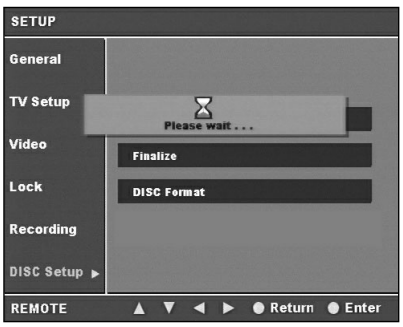


1 From the SETUP menu, select "DISC Setup" then press the ▶ or the ENTER.

2 Use the ▲,▼ buttons to select "Finalise".

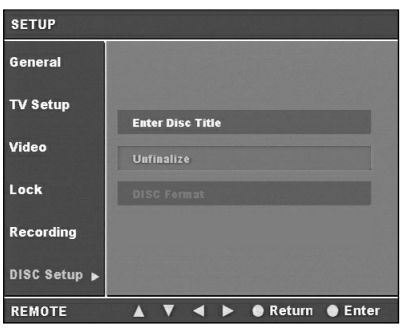
Note:

- It takes several minutes to finalise according to amount of the recording data and a kind of DVD media.
- Finalising discs recorded for very short time(very small size data) may take more time than discs recorded fully. (Possibly more than 1 hour: this does not indicate a problem with the unit.)



Unfinalise(DVD-RW/+RW)

You can record and edit on this recorder after unfinalising (RW discs only). You need to do this if you want to record more material or edit material already on the disc.



1 From the SETUP menu, select DISC Setup then press the ▶ or the ENTER.

2 Use the ▲,▼ buttons to select "Unfinalise".

Recording

Recording Television Programs

To record a TV program :

1 Insert a recordable DVD into the disc drive.

2 Select the desired TV channel by using the channel selection keys on the remote control unit.

3 Press REC.

The recording icon ● displays in the top right of screen.

Press "GUI" button to view the recording progress.

4 To pause the recording

1. Press ❚❚(PAUSE) to pause the disc during recording.
2. When you want to continue recording press REC ●

A new chapter is added.

5 To stop the recording

Press ■(STOP) to stop recording.

Note:

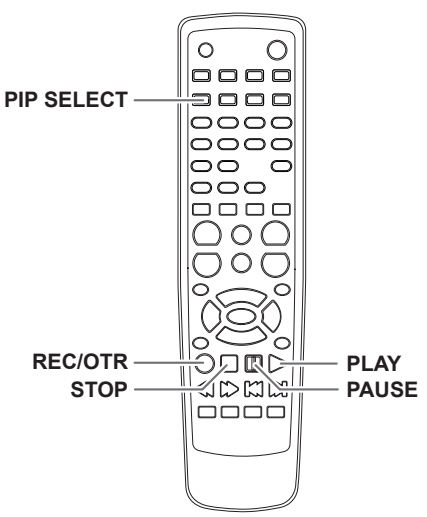
It takes a few seconds to start recording after REC button is pressed. This time can vary, depending on the type of media used.

PIP Select

You can view other external sources while DVD recording.

1 Start recording.

2 Press "PIP SELECT " button to watch other function.



Recording from External Input

1. **Make sure that external equipments is connected securely.**
2. **Select the desired external source by using input select key. (AV1/AV2/AV3/S-video)**
3. **Press "REC" to start recording.**

Recording from DV jack

1. **Connect the camcorder to DV jack on the front using IEEE-1394(firewire) cable.**
2. **Play the camcorder and select DV input.**
3. **Press "REC" to start recording.**

Depending on your camcorder, you can use this recorder's remote to control the camcorder using the "stop, Play" button.

Title Closing

When you press "STOP" to complete the recording title closing icon will appear on the display.

Title closing is to store the recording data on the disc.

When the title closing ends the recording will be stored completely.

Note:

It will take several minutes depending on the amount of recording time. Please do not turn off the unit.

OTR (One Touch Record)

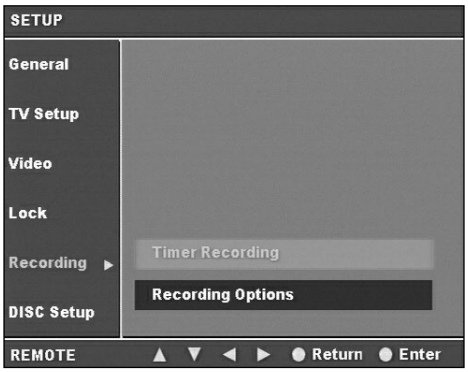
You can set the record time in 30 minute increments up to 4 hours.

Once the DVD Recorder is in recording mode, press OTR again to set the end recording for 30 minutes.

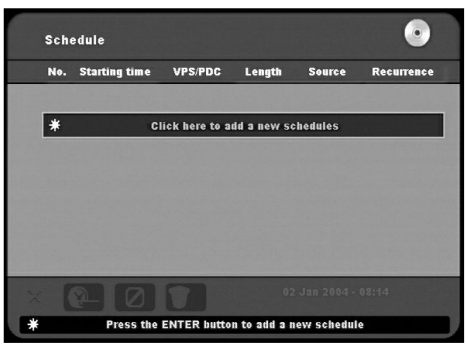
Each press on OTR increases the recording end time by 30 minutes to a maximum of 4 hours.

Timer Recordings

1



2



3

You are able to set the DVD unit to record programs at the any time or on date. You can also update details of a recording already scheduled.

The basic information needed for any new scheduled recording is the start time and date, end time and date, rec input and recurrence, and so on.

Once you have entered the basic information for the scheduled recording, you can define further details to provide more information about your recording, such as the name of the recording and recording quality. This information provides further control over the content.

To schedule a new recording:

1 Select "Timer Recording" from "SET UP" menu

The timer screen opens.

2 Move to Click here to add new schedule field and press ENTER.

The New Scheduled Recording window opens. the start time is automatically highlighted with the current time and date displayed by default. The end time displays an hour after the current time by default.

3 To enter a new start time :

a. Press the ▲,▼ buttons to enter the desired hour.

b. Press the ▶ button to move

c. Press the ▶ button to move the minute filed, and press the ▲,▼ buttons to enter the desired minutes.

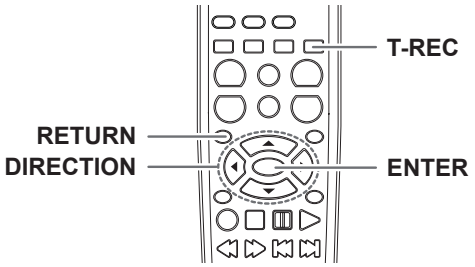
4 Use the ▶ button to move to the date, and repeat step 3, using the direction buttons to enter the day/month/year.

5 Repeat steps 3,4 to enter the desired Rec input

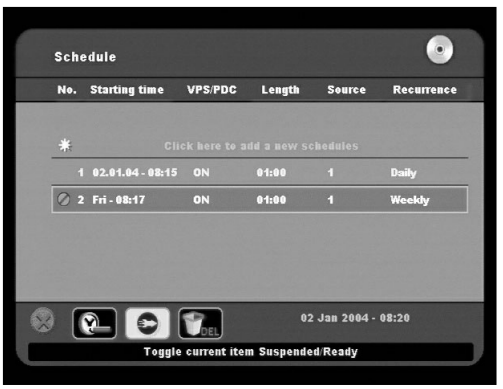
6 To select the recurrence of the recording, use the direction buttons to more to the recurrence field.

A list opens with the options for recording recurrence. The options once, daily, weekly.

7 Use the ▲ and ▼ buttons to select to the desired option.



1



3

8 Use the ▼ to select Add and press Enter.

The new recording details are added to the list of scheduled recordings in the Timer screen and the New Timer Recording window closes.

Note:

When you want to cancel the scheduled recording temporarily, press the T-REC button once. To re-enable the timer recordings, press the T-REC button again.

In order for the Timer Recording, you should push the button, T-Rec, after making the Timer Recording Schedule. In case of the power off of the unit, you can see " Timer Icon " on the front of the unit if the Timer Recording is on.

The unit should wake up 15minutes before the recording, then the unit will be on the stand-by mode for the recording. 3 minutes after the recording finish, the unit will go back to the power off mode.

Updating a Scheduled Recording

You can update any of the details of any of scheduled recordings.

1 From the Timer Screen, use the ▲, ▼ to more to desired scheduled recording.

The Action bar is highlighted with update automatically selected.

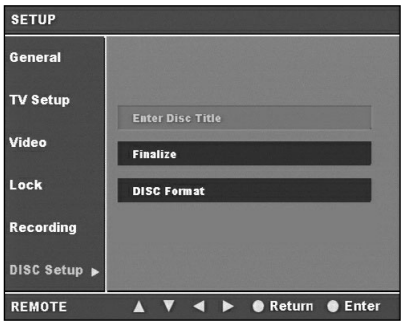
2 Press the ENTER

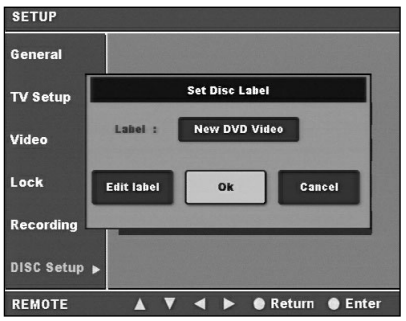
The New Timer Recording window opens with the details of the scheduled recording displayed.

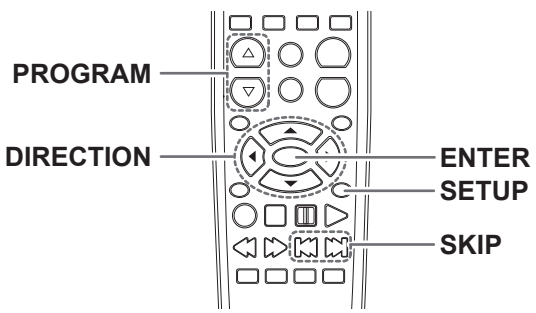
3 See Scheduling a New Recording, to make any necessary changes to start time, date, end time and date and recurrence, etc.

4 Use the ▼ to select update to save the changes.

5 Press RETURN to close the Timer Screen.







The keyboard has three separate screens; letters, numbers, and signs.
Use the ▼/▲ on the remote control unit to change between the keyboards. For example, press the ▼ once to move from the letters keyboard to the numbers keyboard.
The virtual keyboard enables you to enter text or data into any video content screen for naming content..

EDIT DISC TITLE

1 Select DISC Setup in the SETUP screen and press the ENTER.

2 Use the ▲,▼ buttons to move to "Enter DISC title" and press the ▶ or the ENTER.

The keyboard screen opens with the letter keyboard as the default option.

A To name video content using the virtual keyboard

1. From the keyboard screen, use the direction buttons to move to the desired content and press the ENTER.

2. Enter the desired text as follow :
 - Use the direction buttons on the remote control unit to move to the letter you want and press ENTER.
 or
 - Press the corresponding number on the remote control unit number keypad until the correct letter is highlighted and then press the ENTER.
 The text appears at the top of the screen.

3. Press the I◄◄ or ►►I (SKIP) to move the cursor along the text.

4. Press Back to delete any letter entered, or Angle on the remote cotrol unit.

5. Once you have finished entering text, use the direction buttons to move to Done and press ENTER.
 The name of the selected content is change, and the keyboard screen closes.

B To change between upper and lower case letters:

1. Use the direction buttons to move to Caps and the ENTER.

   A menu opens enabling you to select the desired case for the letters.

2. Use the ▲,▼ buttons to move to the desired case press the ENTER.

   The menu automatically closes, and the selection is saved. The selection remains until a new selection is made.

EDIT TITLE NAME

1 Press menu button on the remote control unit.

2 Select the title which you want change name.

3 Press "Enter" and select "RENAME".

4 Virtual keyboard will appear. Edit the name.

Note:

The default selection is Auto Caps, where the first letter of each word, except prepositions, is capitalized.

DELETE TITLE

1 Press "menu" button on the remote control unit.

2 Select the title which you want delete.

3 Press "Enter" and select "Delete".

When Delete button is inactivated, the disc cannot supports editing of delete function.

Editing in VR mode

VR(Video Recording) mode supports editing individual chapters with combine, rename, delete and split functions. VR mode can be only supported when you use DVD-RW disc with DVD-VR format. You first have to format with DVD-VR format to use VR mode.

COMBINE CHAPTER

You can combine chapter of one with the following chapter.

1 Press the "MENU" button on the remote control unit.

2 Select the "Chapter action" and a list of chapters will be displayed.

3 Select the chapter which you want to combine.

4 Press "ENTER" and select "COMBINE". And then the following chapter will be combined.

RENAME CHAPTER

1 Press the "MENU" button on the remote control unit.

2 Select the "Chapter action" and a list of chapters will be displayed.

3 Select the chapter which you want to rename.

4 Press "ENTER" and select "RENAME".

5 Virtual keyboard will appear. Edit the name.

DELETE CHAPTER

1 Press the "MENU" button on the remote control unit.

2 Select the "Chapter action" and a list of chapters will be displayed.

3 Select the chapter which you want to delete.

4 Press "ENTER" and select "DELETE".

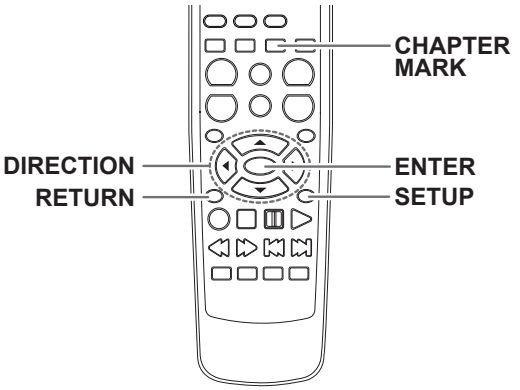
SPLIT CHAPTER

This is convenient to divide one chapter into several chapters.

1 Press the "PLAY" button for playback.

2 when you select a scene which you want to split, Press "CHAPTER MARK" button to split in playback status.

Quality Mode



You can select the quality of the recorded picture.
The higher the quality mode, the less the recording time on the disc.

1 Select "Recording" from SET UP menu.
2 Quality mode will appear.
3 Select the desired quality of the recording using ◀ , ▶ buttons.

Note:
Press return to exit.

Insert a Chapter Mark

During recording, you can insert chapter marks within a title.

Automatically inserting a chapter mark

You can set the automatic insertion by an interval of 5/10/30/60 mins

1 Select "Recording" from SET UP menu.
2 Select "Auto chapter mark" using ▲,▼ buttons on the remote control unit.
3 Select the desired interval for auto chapter mark.

2

Manually inserting a chapter mark

Press the CHAPTER MARK to mark new chapter in a movie.
The maximum number of chapters is 99 per title.

Using the Setup Options

The SETUP options enable you to define the settings for the DVD Recorder unit. The settings of the unit affect how the unit works. The unit comes with default settings. You are able to change any of the settings at any time. See next page for a full listing of all the SETUP options.

To access SETUP :

1 Press SET UP on the remote control unit.

A menu opens listing all the SETUP options.

2 Use the ▲,▼ buttons to move to the desired setting option and press the ▶ or ENTER button.

A sub-menu opens listing sub-categories within the settings option selected.

Note:

Press return to exit.

Summary of settings

This list show the settings for this unit.

General Settings

General	Setting Option	Option Selection
Clock Set (You can adjust the clock.)	Time Set Date Set	HH : MM MM : DD : YY
Set Initialize (If you need to, you can reset the DVD Recorder to all its factory setting. SELECT "Yes" then press ENTER.)		Yes No
General Set	OSD Language (Choose the language for disc menus and the on-screen message.)	Default : ENGLISH
Audio Set (Various audio output settings and the settings according to various audio sourcc es used ard variable.)	Digital Output (Change the settings when you have connected equiment through this unit DIGITAL AUDIO OUT terminal.)	PCM RAW(Default)
	PCM Down Sampling (Select how to output audio with sampling frequency of 96kHz.)	OFF(Default) ON

Summary of settings

TV Setup Settings

TV Setup	Setting Option	Option Selection
Excute APS		
Set Channels		
PR Erase		
PR Move		
TV Initial Set	RF Out Sound System	BG DK I
	RF Out Channel	21~68
	RF Out Pattern	ON OFF
Fine Tune		
Manual Set		

Video Settings

Video	Setting Option	Option Selection
	TV Type	4 : 3LB 4 : 3 PS 16 : 9 Wide
	TV System	PAL NTSC
	Video Output	R G B Y P_b P_r P.SCAN

Summary of settings

Lock Settings

Lock	Setting Option	Option Selection
	Parental Options	PASSWORD : **** Level : Level 1~8
	Change Password	Old Password : **** New Password : ****

Recording Settings

Recording	Setting Option	Option Selection
Timer Recording		
Recording Option	Quality Mode (You able control the recording quality for each individual recording. The higher the quality of the recording, the less time is available on the disc.)	XP(1 Hour) SP(2 Hour) LP(4 Hour) SLP(8 Hour)
	Audio Format	AC3
	Auto Chapter Mark (Automatically divides a recording(a title) into chapters by inserting chapter markings at a specified interval. The markings are made during recording.)	OFF 5 min(Inserts chapter makes at approximately 5 minute intervals.) 10 min 30 min 60 min

DISC Setup Settings

DVD Setup	Setting Option	Option Selection
	Enter DISC Title	
	Finalise/Unfinalise	
	DISC Format	

480i/480p

Indicates the number of scanning lines and scanning format of an image signal.
480p indicates 480 scanning lines with progressive format.

Aspect ratio

Aspect ratio refers to the length to height ratio of TV screens. The ratio of a standard TV is 4:3, while the ratio of a high-definition or wide TV is 16:9. The letter box mode allows you to enjoy a picture with a wider perspective on a standard (4:3) TV.

Bitstream

The digital form of multi-channel audio data (e.g., 5.1-channel) before it is decoded into its various channels.

Chapter/Title

Chapter is the smallest division and title is the largest division on a DVD VIDEO. A chapter is a division of a title and similar to a track for Video CD or Audio CD.

Component video

Video signals with three channels of separate information that makes up the picture. There are several types of component video, such as R/G/B and Y, P_B/C_B, P_R/C_R.

Composite video

A single video signal commonly used in most consumer video products that contains all luminance, color, and synchronization information.

Dolby Digital(AC3)

A six-channel system consisting of left, center, right, left rear, right rear and LFE (Low-Frequency Effect channel, for use with a sub-woofer) channels. It requires a Dolby Digital decoder, either in the player or in an external receiver to regenerate the sound. All processing is done in the digital domain.
Not all Dolby Digital discs contain six (5.1) channels information.

DTS(digital Theater Systems)

DTS stands for Digital Theater Systems. DTS is a Digital Surround audio encoding format configured with six (5.1) channels, similar to Dolby Digital. It requires a DTS decoder, either in the player or in an external receiver to regenerate the sound. All processing is done in the digital domain.
Not all DTS discs contain six (5.1) channels of information.

DVD-R

DVD-R is a recordable disc that is the same size as a DVD-Video. Contents can be recorded only once to a DVD-R and will have the same format as a DVD-Video.

DVD-RW

DVD-RW is a recordable and rewritable disc that is the same size as a DVD-Video. DVD-RW has two different modes: VR mode and Video mode. DVD created in video mode has the same format as a DVD-video while discs created in VR(Video Recording) mode allow the contents to be programmed or edited.

DVD+RW

DVD+RW is a recordable and rewritable disc DVD+RW use a recording format that is comparable to a DVD-Video format.

Interlace output

NTSC, the video signal standard, has 480 interlaced (I) scan line. The Interlaced scanning system places lines of the second half of the picture in-between lines of the first half of the picture.

JPEG

A popular file format for still image compressing and storage. JPEG stands for "Joint Photographic Experts Group".

Linear PCM audio

PCM stands for "Pulse Code Modulation". Linear PCM is the usual method for digitally encoding audio without compression, and is used for the audio tracks on DVD VIDEO discs. Audio CDs, etc.

MP3

MP3 (MPEG 1 audio layer 3) is a compressed audio file format.

Files are recognized by the file extension "MP3" or "MP3".

MPEG

MPEG stands for "Moving Picture Experts Group"

NTSC (National Television System Committee)

The initials stand for National Television Standards Committee.
This is the committee that established the standards for television systems in the United States. The NTSC standard broadcasts 525 or 480 lines of resolution per second, and 30 frames per second of refresh rate, 60 Hz field frequency. NTSC TV system is widely used in USA, Canada, Latin America and Taiwan etc.

PAL (Phase Alternation by Line)

PAL (Phase Alteration Line) is the color television broadcast standard throughout the Western Europe (except in France, where SECAM is the standard), Australia, China, Singapore and Malaysia etc. It has 625 lines of vertical resolution per second and 25 frames per second refresh rate, 50 Hz field frequency.

S-Video

A video signal which improves picture quality over standard composite connections. Used on Super VHS, DVD, high end TV monitors, etc.

Track

SVCD, VCD, Audio CD discs use tracks to divide up the content of a disc.

Progressive Scan video

Progressive displays, such as Progressive CRT, LCD, DLP/D-ILA projectors and the new HDTV-ready TVs, can show progressive scanned images as opposed to interlaced images. In order to do this, the display must scan at a higher rate, 2x the speed of NTSC. Because scanning takes place at twice the speed, an entire frame can be drawn in the same amount of time it takes an interlaced system to draw a single field. As described earlier, interlaced display shows 60 fields per second. With progressive displays, each "field"is a complete picture including all scan lines, top to bottom, hence it is referred to as a frame.
However, even though 60 frames are displayed per second, only 24 of those are unique if the source is film based. The benefits of a progressive display are no flicker, scan lines are much less visible(permitting closer seating to the display), and they have none of the artifacts for the interlaced display, as long as the source material is progressive in nature (film or a progressive video camera).

Using the TV, CABLE and SAT Buttons on the Remote Control

Your unit remote control has been designed to work with other brands of TV, CABLE and SAT units. To determine whether your TV, CABLE or SAT are compatible, follow the instructions below.

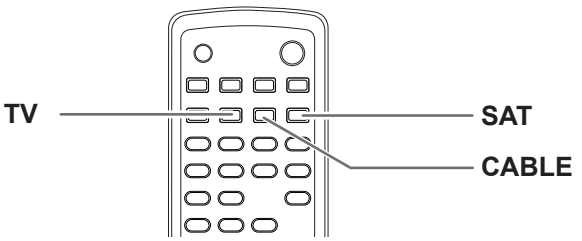
1 Switch your TV or CABLE or SAT on.

2 Look up the brand and corresponding code number in the code list following pages.

3 Point the remote control towards the television.

4 While keeping the corresponding Source Button (like TV, CABLE, SAT) on the remote pressed, enter the code from the code list through the Number Buttons.

If several codes are indicated for your TV, CABLE and SAT's brand, try each one in turn until you find one that works.



CAUTIONS :

- This remote unit may not operate all models of the brands shown.
- If batteries are removed from the battery compartment of the remote unit, all memory will be lost. You need to re-enter all previously programmed codes again.
- The buttons on the remote unit may not work correspondingly with those on the components brands. Experiment with the remote unit and your components to see which buttons work.If only a few functions operate, check to see if another code set will work with more buttons.
- Only use alkaline batteries.

TV Brand List

Brand	CODE No.				
ANAM1	000				
ANAM2	001				
ANAM3	002				
ANAM4	003				
ANAM5	004				
ADMIRAL	050	134			
AKAI	093	049	123		
ALBA	068				
ALBIRAL	116				
ALCATEL	022				
AMSTRAD	159	021			
ARC EN CIEL	028	039	043	145	081
ARISTONA	099	049	050	019	142
	149	078			
ARTHUR MARTIN	053	139	117	120	122
	123	125	128		
ASA	050	055	057	113	134
ATLANTIC	099	111			
AUDIOSONIC	054				
AUSIND	053				
AUTOVOX	099	144	055	019	057
069					
BAIRD	083				
BASICLINE	006				

Brand	CODE No.				
BAUR	011				
BEKO	023	049			
BLAUPUNKT	094	100	102	111	114
BRANDT	028	039	040	043	145
	081				
BRION VEGA	050				
BRUNS	048	050			
BSR	059	110	132		
BUSH	033	068	124	074	
CENTURY	098	101	050	079	136
CGE	016	101	124	079	132
	136				
CIHAN	065				
CLARIVOX	048	116			
CONDOR	099	111			
CONTEC	087				
CONTINENTAL EDITION	028	039	040	043	145
	081				
CROSLEY	101	050	109		
CROWN	147				
CTC CLATRONIC	046				
DAEWOO	089				
DECCA	099	060	063	115	118
DEGRAAF	036				
DIXI	049	090			
DRYNATRON	049				
DUAL	099	141			
DUAL-TEC	096	099	132		
DUMONT	046	050	057	073	

TV Brand List

Brand	CODE No.				
ELBE		016	116		
ELBIT	065				
ELCIT	046	097	103	050	109
	127	132			
ELMAN	046	132			
ELTA	090				
EMERSON	159	098	050		
ERRES	049	142			
EUROPHON	098	046	097	099	051
	115	132			
FERGUSON	146	040	041	150	057
	061	116	149		
FIDELITY	099	149			
FINLUX	034	046	053	055	057
	109	113	073	074	079
FISHER	015	048	050	052	109
	136				
FORGESTONE	149				
FORMENTI	099	053	109	111	125
FORTRESS	137				
FRABA	075				
FRONTECH	054				
FUJITSU	025				
FUNAI	054	059			
GBC	109	132			
GEC	099	060	109	115	134
	088				
GELOSO	103	109	132	134	090
GOLDSTAR	092	162	017	099	049
	075	076	077	090	
GOODMANS	033	049	060	077	
GORENJE	066	136			
GREATZ	160	058	109	122	123
	128	129	130	134	
GRANADA	033	099	049	058	060
	142	115	125	134	
GRUNDIG	094	100	057	058	108
	112	114	082		
HANSEATIC	033	164	099	049	109
	139	111			
HANTAREX	097				
HEMMERMANN	127				
HIFIVOX	028	039	043	145	081
HINARI	159	033	045	143	090
HITACHI	014	033	034	036	099
	145	056	109	139	110
	067	117	132	134	084
	091	081	088		
HYPER	093	099			
IMPERIAL	016	101	124	079	132
	133				
INGELEN	160	058	109	122	128
	129	130	134		
INNO HIT	093	098	097	099	143
	077	090			
INTERFUNK	164	049	050	145	058
	109	142	123	128	129
	091				
IRRADIO	093	143	053	077	090

Brand	CODE No.				
ITT	160	140	058	105	109
	122	123	128	148	129
	130	134	135	083	089
JVC	033				
KTV	099				
KAISUI	006				
KARCHER	006				
KENDO	098				
KENNEDY	144	019	109		
KORTING	050	059	111		
KRIESLER	099	049	050	019	142
	149	078			
LENOIR	099				
LOEWE OPTA	008	097	164	049	050
	115	072			
LOGIK	118	149			
LUMA	049	120	134		
LUXOR	058	139	117	120	123
	129	135	083		
MAGNADYNE	046	097	103	050	109
	115	127	132		
MAGNAFON	046	097	099	051	053
	115				
MARANTZ	049				
MATSUI	159	099	106	060	118
	068	134	090		
McMICHAEL	088				
MEMOREX	090				
METZ	094	050	114	133	
MINERVA	094	100	057	058	114
MISTRAL	149				
MITSUBISHI	033	035	164	049	050
	062	118	119	148	080
	138				
MIVAR	097	099	115	077	
MULTITECH	046	099	115	136	
MURPHY	134				
MAONIS	096	144	019	110	134
NATIONAL	042	104	109		
NEC	033	085			
NECKERMANN	099	050	139	120	136
NEI	049				
NIKKAI	060				
NOBLEX	015				
NOBLIKO	098	046	099	053	057
NOGAMATIC	028	039	043	145	081
NOKIA	160	140	058	105	109
	122	123	128	148	129
	130	134	135	083	089
NORDMENDE	028	032	039	043	145
	131	091	081		
OCEANIC	109	064	123		
ONCEAS	099				
OPTONICA	137				
ORION	159	059	118	068	127
	090				
OSAKI	060				
OSIO	077				
OSUME	087				

TV Brand List

Brand	CODE No.				
OTTO VERSAND	033	164	049	109	139
P.T ACTTRON	065				
PAEL	099	053			
PANASONIC	030	042	095	104	107
	109	121	126		
PATHE CINEMA	099	111	116	132	
PERDIO	060				
PHILCO	016	030	101	050	109
	124	079	132	136	
PHILIPS	009	010	013	018	024
	099	049	050	019	142
	148	149	078	088	
PHOENIX	099	053	109	111	125
PHONOLA	099	049	050	019	142
	149	078			
PIONEER	020	049	145	091	
PRANDONI-PRINCE	098	097	053	115	134
PREMIER	124				
PRINCE	098	097	053	134	
PROTECH	049	054			
PYE	099	049	050	019	142
	148	149	078		
QUASAR	046	097	051	053	077
QUELLE	047	099	100	049	053
	055	057	058	111	112
	113	114	118	123	073
	074	128	164		
RADIOLA	099	049	050	019	142
	149	078			
RADIOMARELLI	046	097	103	050	109
	062	127	132		
RANK	074				
RBM	074				
REDIFFUSION	062	123	134		
REX	096	144	019	141	110
	069	134			
ROBOTRON	048	050			
RTF	048	050			
SABA	028	031	032	037	039
	040	043	097	050	145
	115	120	086	091	081
SAISHO	159	099	118	119	068
	090				
SALORA	053	139	117	120	122
	123	125	128	135	083
SAMBERS	046	097	051	053	115
	077				
SAMPO	121				
SAMSUNG	015	026	099	054	077
	136	090			
SANYO	160	161	005	033	044
	048	060	113	118	071
	054		136		
SBR	049	142	148	149	088
SCHAUB LORENZ	160	058	109	122	123
	128	129	130	134	
SCHNEIDER	096	099	049	050	052
	019	141	109	142	125
	149	078	132		

Brand	CODE No.				
SEG	046				
SEI	159	059			
SELECO	016	096	144	019	141
	110	069	134		
SHARP	033	087	137		
SIAREM	046	097	050	109	115
SICATEL	116				
SIEMENS	005	094	036	100	111
	114	087			
SIERA	099	049	050	019	142
	149	078			
SILVER	054				
SINGER	016	046	050	109	
SINUDYNE	159	046	050	059	109
	127				
SONOKO	049	090			
SONY	146	007	027	033	038
	118				
STERN	096	144	019	110	069
	134				
TANDBERG	133				
TANDY	099	060	137		
TASHIKO	161	033			
TATUNG	099	060	063	065	115
	118				
TEC	096	099	132		
TELEAVIA	028	039	040	043	145
	091	081			
TELEFUNKEN	028	041	145	150	086
	091				
TELETECH	090				
TELEVIDEON	099	053	109	111	125
TENSAI	049				
THOMSON	012	028	032	039	040
	043	145	091	081	
THORN-FERGUSON	014	040	041	054	150
	057	061	116	149	086
TOCOM	029				
TOSHIBA	163	016	033	070	074
TRANS CONTINENTS	098	097	053	134	
TRIUMPH	159				
UHER	052	111	125		
ULTRA VOX	098	046	099	050	109
	120				
UNIVERSUM	092	034	054	077	
UNIVOX	116				
VEGAVOX	079				
VOXSON	050	134			
WATSON	111				
WATT RADIO	046	099	051	109	116
	127				
WEGA	033				
WHITE WESTINGHOUSE	099	111			
YOKO	099				
ZANUSSI	096	144	019	110	069
	134				
ZOPPAS	096	144	019	110	134

CABLE Brand List

Brand	CODE No.				
ABC	002	003	009	030	007
	006	008			
ALLEGRO	018	021			
ARCHER	018	026			
Bell&Howell	009				
Century	018				
Citizen	018	021			
Comtronics	014				
Contec	011				
Easten	001				
Emerson	026				
Everquest	010	014			
Focus	022				
Garrard	018				
Gemini	010				
General Instrument	033	006	034		
GoldStar	017	040			
Goodmind	026				
Hamlin	012	020	004	013	
Hitachi	006				
Hytex	007				
Jasco	010	018	021		
Jerrold	002	007	033	032	009
	010	006	034		
Memolex	000				
Movie Time	015				
NSC	015				
OAK	011	007			
OPTIMUS	031				
PANASONIC	000	016	031		
PARAGON	000				
PHILIPS	018				
PIONEER	017	025			
Popular Mechanics	022				
PULSAR	000				
QUASAR	000				
RCA	031				
RADIO SHACK	010	021	026	028	
RECOTON	022				
REGAL	012	020			
Regency	001				
Rembrandt	006				
Runco	000				
SL Marx	014				
Samsung	017	014			
Scientific Atlanta	003	023	030	027	
Signal	010	014			
Signature	006				

Brand	CODE No.		
Sprucer	031		
Starcom	002	010	
Stargate	010	014	026
Starquest	010		
TV86	015		
Teleview	014		
TOCOM	007	008	
TOSHIBA	000		
TUSA	010		
UNIKA	018		
UNITED ARTISTS	007		
UNIVERSAL	019		
VIEWSTAR	015		
ZENITH	000	024	
ZENTECK	022		

SAT Brand List

Brand	CODE No.
ALBA	030
AMSTRAD	008 019 027
ARCON	021
ARISTONA	016
ASTRA	028
BLAUPUNKT	033
BUSH	016
CH.MASTER	030
CITY COM	005
DDC	030
DYNASAT	005
ECHOSTAR	002 009 032 020
EMME ESSE	005
FAIT	005
FERGUSON	014 041 016 017 018
FINLUX	006 007 013
FRACARRO	005
FTE	022
GOLDSTAR	004 021
GRAETZ	026 037
GROTHUSEN	004
GRUNDIG	033 016 018 036
HINARI	030
HIRSCHMANN	003 006
HITACHI	013
INGELEN	026 037
ITT	034
ITT-NOKIA	032 018 026 037
JERROLD	038 014
KATHREIN	005 022 023
KOSMOS	004
KRIESLER	016
LENCO	004 021
LUXOR	026 037
MAGAI	022
MARANTZ	012
MASPRO	016
MATSUSHITA	000
METZ	036
MINERVA	036
MULTISTAR	022
MURATO	004
NEC	040
NEIRU	021
NOKIA	026 037
NORSAT	015

Brand	CODE No.
PACE	001 042 016 017 018
	044
PANASONIC	032
PHILIPS	003 011 012 029
PHONOLA	016
PROSAT	030
PYE	016
QUADRAL	030
QUELLE	036
RADIOLA	016
REDIFFUSION	015
SABA	035
SALORA	026
SAMSUNG	003 022
SAT PARTNER	004
SATPORTNER	021
SCHAUB LORENZ	026 037
SCHNEIDER	005 016
SIEMENS	033 036
SIERA	016
SILVA	004 021
SKY	039
STARCOM	038
STARSAT	022
TECHNISAT	003
TELEFUNKEN	025
TELESYSTEM	005
THORN-FERGUSON	010 014 041 016 017
	018 043
TRIAD	004
UNIDEN	022
UNITED CABLE	038
V TECHNOLOGY	004
VORTEC	003 024 025
ZENDER	022

Before you call a technician

If you have any problems using this DVD Recorder, the reason may be one of the following.
You can also call the customer service centre in your country or speak
with the retailer from whom the product was purchased.

No power
- ➜ Check the connection to the AC wall outlet. Make sure the outlet is not switched by a lamp switch by plugging in another electrical device to see if the outlet is “live”.

PROHIBIT icon ⃠ appears on the screen
- ➜ The operation is not permitted by the disc or the unit.
- ➜ Note that during playback of a title part (cautions, software maker's logo, etc.), most operations are prohibited by the disc.
- ➜ If another operation is still in process, wait a moment and try again.

The aspect ratio of the screen cannot be changed.
- ➜ The aspect ratio might be fixed by the disc.
- ➜ Depending on the TV, you may not be able to change the aspect ratio.

There is no sound or only a very low-level sound is heard.
- ➜ Check that the speakers and components are connected securely.
- ➜ Check the operation of the connected component.
- ➜ Check the audio output setting.
- ➜ The sound is muted during pause, slow-motion, fast forward/reverse, and stepping playback. Press the PLAY button to resume normal playback.

Resetting the machine to the default factory settings.
- ➜ Important:
  All the information stored(TV channels, time and date, TIMER) will be lost.
- ➜ Connect from the main power supply.
  Press the SYSTEM INITIAL on the remote control to the default factory settings.
  Reset initial installation.

Remote control does not work.
- ➜ Remote control not pointed toward the DVD Recorder.
  Point the remote control at the machine.
- ➜ Batteries are flat. Change the batteries.

No playback on DVD Recorder.
- ➜ There is no recording on the disc. Change disc.
- ➜ You inserted the wrong disc type.
  Your recorder can play back the following disc types
- ➜ You inserted the disc wrong way.
  Insert the disc with the label facing upwards.
- ➜ Disc is dirty. Clean the disc.
- ➜ Wrong region code. The region code of the DVD and the DVD Recorder must match.
- ➜ Parental control is on read chapter 'Setting a Rating Level'
- ➜ You have selected the wrong program number of the DVD Recorder on the TV.
  On the TV select the correct program number for the DVD Recorder
- ➜ The cable connecting the TV set and the DVD Recorder has come loose check the cable.

Poor playback on DVD Recorder (distorted picture, distorted sound)
- ➜ Your TV set is not properly adjusted.
- ➜ Disc is dirty. Clean the disc.
- ➜ Sometimes the picture may be temporarity distorted. This is not defect of your DVD Recorder

No recording possible
- ➜ TV channel you want record is not stored or selected the wrong program number. Check TV channels stored.
- ➜ Disc write-protected (recording protected). write-protection or change the disc.
- ➜ Check up function of DVD Recorder.

Scheduled recording does not work.
- ➜ You have programmed the wrong time or date. Check time/date.
- ➜ You have not set the TIMER properly. Check the scheduled recordings.
- ➜ Locked disc inserted. Remove disc lock.

Dim picture
- ➜ Adjust the brightness and contrast of picture.

Poor playback on DVD recorder.(distorted picture)
- ➜ Your TV set is not properly adjusted.
- ➜ Disc is dirty.: Clean the disc.
- ➜ Sometimes the picture may be temporarily distored. This is not a defect of your DVD Recorder.

There is no picture.
- ➜ Make sure that the TV's input setting is correct.
- ➜ Check up connection that VIDEO OUTPUT jack of this unit with INPUT jack of TV.
- ➜ There is no external video input.: Check the INPUT FUNCTION.
- ➜ There is ghosting when P.SCAN output is on.: This can occur because your TV does not support P.SCAN. Reset the machine to the default factory settings.
- ➜ Check the antenna connecting with COAXIAL CABLE.
- ➜ Those channels were not deleted. Use "Execution APS" in the SETUP menu to AUTO SEARCH.

Specifications

MEDIA TYPES SUPPORTED(Read Only):

DVD-R/RW, DVD+R/RW, DVD-ROM, CD-R/RW, CD-ROM

CONTENT FORMAT SUPPORTED:

- DVD-Video
- Audio CD
- MP3
- JPEG

RECORDABLE DISC SUPPORTED:

- DVD+R(DVD+R Video Format)
- DVD+RW(DVD+RW Video Format)
- DVD-R(DVD-R Video Format)
- DVD-RW(DVD-RW Video Format / -VR Format)

VIDEO RECORDING QUALITY

Mode	Hour
XP	1
SP	2
LP	4
SLP	8

TV Standard & VIDEO RESOLUTION

	NTSC	PAL/SECAM
Scan Frequency	60 Hz	50 Hz
Number of lines	525 lines	625 lines
DVD-Video		
• Horiz.Resolution	720 pixels	720 pixels
• Vertical Resolution	480 lines	576 lines

VIDEO PERFORMANCE

Composite Out	1 Vpp 75 Ohm
S-Video Output	Y: 1 Vpp 75 Ohm
	C: 285 mV 0.3 Vpp 75 Ohm
Component Output	Y: 1 Vpp 75 Ohm
	P_b: 525 mV 0.3 Vpp 75 Ohm
	P_r: 525 mV 0.3 Vpp 75 Ohm

AUDIO PERFORMANCE

Signal-Noise(1kHz)	≧95dB
Dynamic Range(1kHz)	≧80dB
Channel Separation(1kHz)	≧80dB
Total harmonic Distortion(1kHz)	≦0.006%(20LPF)

TUNER FORMAT

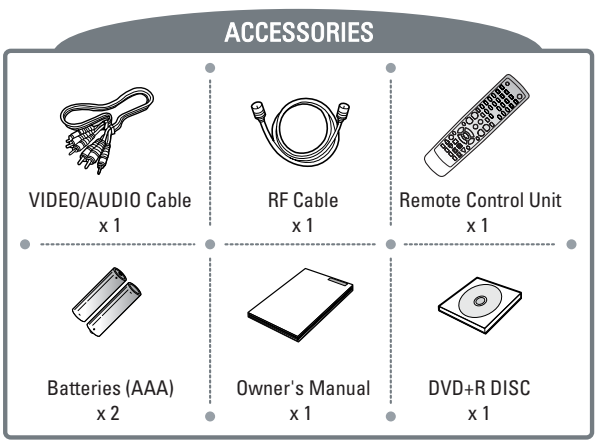
Signal	UHF/VHF/CATV
System	PAL

GENERAL

Power Supply	240V, 50Hz
Power Consumption	30W
Operating Temperature	+5℃ to +40℃
Operating Humidity	5%to 80% RH
Dimensions(W/H/D)	430 x 74.5 x 355 mm
Net Weight	4 kg

Notes

- Design and specifications are subject to change without notice.
- Weight and dimensions are approximate.
- Illustrations may differ slightly from production models.



TEAC TOTAL CARE

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or visit out website at http://www.teac.com.au

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[New Zealand: TOLL FREE 0508 347328, 8AM TO 4:30pm]

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